

NO
DEPOSIT

California Tech

Associated Students of the California Institute of Technology

NO
RETURN

Volume LXV.

Pasadena, California, Thursday, October 10, 1963

Number 3

Wirth, Prata Win Fulbright Scholarships

Two students of the California Institute of Technology were awarded Fulbright scholarships last spring for the 1963-64 academic year and are leaving for study abroad this month.

Those receiving the awards are: Thomas H. Wirth of Syracuse, New York who will study inorganic chemistry at the University of Copenhagen, Denmark; and Stephen W. Prata of Sacramento, Calif., who will study astronomy at Leiden University in the Netherlands.

All Fulbright Scholars are selected by the Board of Foreign Scholarships, the members of which are appointed by the President of the United States. Students are recommended by campus Fulbright committees and by the Institute of International Education.

The Fulbright Advisor at Caltech, Prof. Horace N. Gilbert, announced that the deadline for applications is October 31, 1963.

Notices

GRADUATING SENIORS

All seniors interested in graduate study should come to a meeting, with Dean Bohnenblust, tomorrow from 12:30 to 2:00 in 22 Gates.

PHYSICS CLUB

The Two-Mile Accelerator: Dr. Jerry Pine will talk about the new Stanford linear accelerator at the Physics Club meeting of October 16, to be held at Dr. Barnes' home, 1546 Rose Villa, at 7:45 p.m. Refreshments will be served.

MISSING LETTER SWEATER

Anyone knowing the whereabouts of any of the letter sweaters shipped from the H. L. Whiting Co. to the Associated Students during the summer, please contact Grant Blankington, ASCIT Athletic Manager, 240 Ruddock.

FENCING NOW

Beginning next week, fencing class will be held in Culbertson on Tuesdays and Thursdays from 4 to 6 p.m. All are welcome. P.E. credit given to all except frosh.

YELL

Anyone interested in yell leading please contact Len Fisher in 132 Lloyd sometime tonight.

STUDENT SHOP MEETING

This Tuesday evening, Oct. 15, the Caltech Student Shop will hold an organizational meeting to admit new members. The lock on the shop will be changed at this time, so all members should come to get new keys. The meeting will be at 7:30 in room 206 Thomas. Tool check-outs will probably be held immediately afterwards.

RADIO CLUB MEETING

The Caltech Amateur Radio Club will hold its first meeting of the year on Wednesday, Oct. 16 at 7:30 in the evening in clubroom 1 in Winnett Center. All members should attend, as club policy for the coming year will be decided. Interested freshmen, grad students, and other prospective new members are invited, whether licensed or not. Club dues are \$1.50 per term.

DARKROOM KEYS

The lock on the old darkroom under Fleming House will soon be changed; students desiring a new key should see Phil Liapis in 235 Ruddock.



—photo by Phil Liapis

Innocent bystanders happen upon random bonfire erected in San Pasqual St. last Saturday night to commemorate Tech's opening game victory.

Chapman Describes Peace Corps Needs

In Winnett Lounge, during the 11:30 assembly hour yesterday, Mr. Doug Chapman of the Peace Corps gave a speech and answered questions concerning the Corps, its history and organization, and its need for volunteers. He said that the basic operations of the Corps involve aid to other countries in education, health, and agriculture, and that the three major purposes of the Corps are "to offer assistance to people anywhere in the world," "to educate" the people in basic methods "so that when we leave, they can carry on," and "to come home and inform Americans" about conditions in the countries aided.

Chapman also said, "One of the great needs of these underdeveloped countries is for people with scientific knowledge." There is great need particularly in teaching, and more partic-

ularly in teaching science and math in high schools. Speaking for the Corps, "We are vitally interested in people who are graduates of schools like Caltech."

Volunteers who are called by the Peace Corps are trained for about six months in one of 50 universities in the United States, then go "into the field" for a two-year period. The members live liked ordinary inhabitants of their assigned country, without commissary or other privileges normally enjoyed by armed services personnel stationed overseas. There is no obligation—save a moral one—to serve the full two years, but most members do; then they return to the U. S. and are through, except that they are expected to share their experiences and knowledge about their country with other Americans. Members receive no salary while serving, only living expenses; however, upon return, they receive about \$1600 in cash for readjustment allowance, to support them during the transition to another job. Students who join after graduation can have

Tech Delegates Enter MUN

Caltech has decided to participate in the 14th Session of the Model United Nations, which will be held this coming spring.

Model United Nations, an annual event, is organized in order to stimulate interest in the U.N. among college students in the Pacific and Rocky Mountain states. Students from more than 100 colleges in the Western U.S. convene for the three day Model United Nations Session. Representing various countries, these students try to simulate conditions at the U.N.

This coming spring, Model United Nations will be held at Whitworth College in Spokane, Washington. Caltech has been chosen to represent Nigeria, and will play an important role in the Afro-Asian bloc. However, due to the expense involved in transportation to Washington, perhaps only 6 or 7 students will be able to attend from Caltech. This means that each member of the Caltech delegation will carry a significant amount of responsibility.

The Caltech delegation will be chosen later in the fall. An announcement will be placed in the **Tech** when the list for delegation seats is to be opened. At that time more explicit information about this year's Model United Nations Session will be given.

Opinion Favorable On New Rotation

BY TIM HENDRICKSON

"I'm very happy; we received most of the freshmen we wanted," asserted Guy Jackson, Vice-President of Blacker House. In general this was the consensus of opinion among the House presidents concerning last week's grueling freshman rotation.

Although all presidents seemed to be "quite pleased" with the results of the selection, there was some dissension concerning the specific advantages of rotation over random selection. According to Dave Hammer, "the freshmen selected were more in line with what the House wanted than a random selection would have provided."

Good and Bad
Jerry Thomas, however, maintained that in the final analysis "rotation was equivalent to random selection in that a House would obtain both good and bad freshmen under both systems." Yet another viewpoint was that

of Bob McEliece: "Rotation does not guarantee necessarily better freshmen, but it does contribute to a stronger House spirit due to the excitement generated by the House's gaining those freshmen who really wanted membership in that House."

A notable feature of the rotation was that the selection procedure itself involved "surprisingly little trouble," taking about one-third the expected time. There was a little difficulty near the end which was re-

(Continued on page 2)

Tech Seeks Ad Salesmen

The California Tech is providing a lucrative opportunity for any eager salesman who would like to perform a valuable service for the paper and at the same time increase his personal income. Many local businessmen should be anxious to get inexpensive and effective advertising on campus, and the Tech is anxious to provide this service. Advertising space sells for \$1.40 per column inch, and the Tech will offer a 15% commission to the salesman as long as the ad runs.

Advertisements obtained for the California Tech serve a dual purpose. The additional revenue obtained from new advertisements will help the Tech pay for a larger percentage of its publishing costs. Moreover, the 15% commission will provide the "eager" salesman with substantial financial aid.

If interested, blank contracts, identification cards, and further information can be obtained from Richard Karp, Business Manager of the California Tech, in Ruddock.

Newman Club Sets Program For New Year

Caltech's Newman Club has adopted several changes for the coming year, and has also acquired a new chaplain. The new chaplain is Father Dunne, from St. Phillip's Parish on Del Mar Boulevard; he replaces Father Meskill who was transferred. The major changes in program are the rescheduling of meetings for every other Monday at 7:30, and the adoption of a new format.

The first meeting of the year will be next Monday at 7:30, in Clubroom No. 1, Winnett when Fr. Dunne will speak on "The Catholic in the Scientific Community." Anyone interested is invited to attend.

Gridders Win Opener

BY J. K. EVANS

On Saturday at St. Francis High, Caltech's big backs romped and stomped as the line tore gaping holes in outmanned, outclassed L.A. Pacific's defense. Held to a 12-12 tie at the half, the Beavers exploded for three quick TD's and a 32-12 bulge in the third quarter, and then coasted home as the reserves gained some needed game experience. Coach Labrucherie's athletes showed a strong, well balanced running attack as Christie, Dinius, Evans, Lieberman, and Peterson cracked the line for short gains almost at will. The scoring was led by Lieberman with two TD's and 2 PATS; Dinius, Evans, and Hanson added TD's.

The Beavers put on a display of team power that must be termed awesome when viewed relative to past performances. Coach LaBrucherie used a two-platoon system and it actually worked. This enabled the Techmen to stay fresh and strong into the second half, that deadly time when the Beavers have wilted before. Outstanding play

by the defensive unit, spearheaded by Vinsonhaler, Stofa, and Kampe, kept the offensive unit free from worries

Beavers Can't Fly

Once again the major failing of the Beavers was in the air. Both pass offense and defense were sadly deficient. Although Peterson managed to make two fine snags of Liebermann aeriels, both for important yardage, other passes gave on the whole a shotgun impression. And LAPC's two scores both came through the airplanes, served up on a silver platter by defensive lapses.

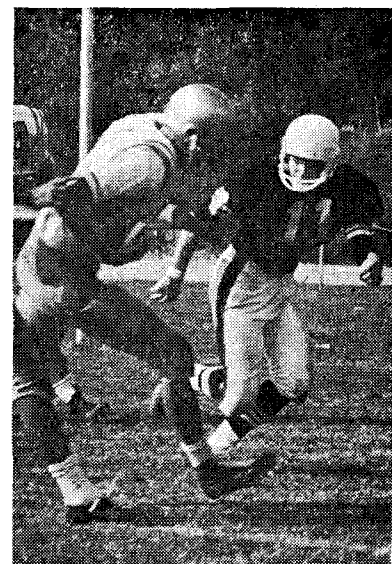
The Play-by-Play

Tech received on its 27 and drove the length of the field in 15 plays with Christie and Liebermann packing the mail all the way. Liebermann rolled off right tackle for 4 yards and the TD. Christie's kick was no good. Hanson kicked off to their 18. LAPC drove to their 34, gaining scant yardage on the ground. On the sixth play, the QB cranked up and hit his fast halfback in the secondary, who outran Vinsonhaler 76 yards for the

score. The run for point was no good. 6-6.

Tech received and Peterson returned to midfield. Again Tech

(Continued on page 3)



—photo by John Williams

Thor Hanson goes into the end zone to score Tech's last touchdown after intercepting a pass thrown by L.A. Pacific's quarterback (No. 11).

Editorials

Rotation Success

With rotation week finally drawn to a close, groups everywhere are pausing to let the dust settle so that they may evaluate the results. Dinner forums, House meetings, and bull-sessions throughout the campus have viewed this question. And there is no reason why the **Tech** should not also get in its word on the subject.

First, did "rotation" really accomplish its purpose? Its goal has been most frequently termed as enabling the freshmen and Houses to get a good look at each other and trying to maximize "happiness." Even more important than that, we feel rotation's real aim was to give each House an opportunity to look closely at itself, and thereby instill in itself a spirit and consciousness denied by a random distribution. Such an evaluation is difficult and it will be some time before one can make an honest attempt.

We do feel, however, that the new rotation was worth all the effort put into it. We further hope that "rotation" will not be considered a closed book, a mere set of rules, for to stifle its dynamic spirit is to destroy its purpose. And finally, we salute those of you, both freshmen and upperclassmen, who gave the new system an honest trial.

—Don Green
J. C. Simpson

Support ASCIT

School spirit and pride are qualities almost always associated with college today, yet qualities severely lacking at Caltech. The reason for this is still obscure, and no amount of rough prodding is going to get a confirmed snake to crawl out of his hole long enough to ever pretend he was supporting Caltech or any of its traditions. Perhaps, through, a short reminder of what ASCIT does for the students here could encourage a little more support for it.

ASCIT, besides being responsible for all campus publications and athletic events, also supports most of the extra-curricular activities on campus. ASCIT is responsible for the band, glee club, drama club and debating club, most of which would have a decidedly tougher time without its backing. It also sponsors the Coffee Hours, Assembly Series and the special events (concerts, political debates, etc.). This certainly doesn't sound like an organization that is out to "get" Techmen or Houses, and it definitely does sound like one that deserves strong and active support in its work for the students.

—J. C. Simpson
Don Green

Rotation Flies

(Continued from page 1)
solved without too much trouble
Spirit Observed

There was general agreement among House presidents on the issue of whether the rotation spirit had been properly observed throughout last week. In particular, the point was made that a freshman trying to win one House only was being unfair both to himself and the other Houses by not getting to know them. Nevertheless it is interesting to note that of those who expressed an opinion, on the IHC questionnaire 84.8% of the Freshmen Class indicated

that they were in favor of rotation.

Most presidents agreed with the Master of Student Houses, Dr. Huttenback, that the "great deal of extra time and paperwork involved in rotation" benefited all freshmen by enabling them "to see more of the campus and Student Houses and meet many more upperclassmen as well as other freshmen."

A survey taken during rotation, with about two-thirds of the freshmen responding resulted with 90.7% of the freshmen noting after they had visited

(Continued on page 4)

Letters

Physics Course Finds Defender

Editors:

If one may conclude anything from the loud applause that followed every Feynman physics lecture for two years, it is that "a large and obvious feeling of dissatisfaction" on the part of "quite a few" sophomores and "many freshmen" was not the case.

That the problem sets, recitation sections, and grading system did not enhance the lectures of this experimental course as well as their counterparts enhance a course that has been given several times, was to be expected.

However, since the "method of presentation, the attitude of the physics department," and the "teaching assistants" did nothing to hinder the student who wanted to learn (if not to help him), it seems to me that students who "retained little or nothing" or "learned far too little" should begin by blaming themselves (a complaint which I have heard no student voice as yet)

In short I feel very fortunate to have been part of the "experiment". Feynman's own criticism is one the EPC would do well to bear in mind as it applies much more to other Institute courses than to Feynman's: "... the best teaching can only be done when there is a direct individual relationship between a student and a good teacher — a situation in which the student discusses the ideas, thinks about the things, and talks about the things."

Ben Stackler '65

Valluri Resigns Caltech Position

Dr. Sitaram R. Valluri has resigned as senior research fellow in aeronautics here to become department head of applied mechanics at the Indian Institute of Technology in Madras, India. He hopes to continue research in fatigue and fracture mechanics that he has been involved in here at Caltech. He has developed a theory of metal fatigue for structural components of aircraft and missiles, making it possible to predict when such components are likely to fail.

ASCIT Bites Back

by

David Helfman

This article, for those of you who are new to the campus or did not pay any attention last year, allows members of the ASCIT Board of Directors to make known some of their plans, ideas and hopes for the future. As Activities Chairman, I would like to start off the string by explaining what I hope to accomplish in the next few weeks.

The first Coffee Hour of the term was quite successful last week, and I hope that the one today will be even more so. All of us on the BOD feel strongly that this offers an invaluable opportunity both to students and faculty to get to know one another on a friendly basis. I suggest that any of you who missed last week's Coffee Hour attempt to make the one today, at 3:00 pm. in Winnett Lounge. I hope that many of you will make it into a permanent stopping place on Thursday afternoons.

In the line of projected events, and plans, there are the following:

ASCIT Interest

By the end of this week, I hope to compile enough information to start an ASCIT Activities Calendar, which will be issued on a semi-monthly or monthly basis. This calendar hopefully will include many events of interest to you, ranging from sports events to art exhibits to plays and concerts, occurring within the reasonably adjacent area. This calendar will be issued in sufficient quantity to enable any person who desires one to get one, and I hope that you will all find it useful and pertinent.

Very shortly, a musical census of the campus will be undertaken, in which we will try to cover as many Institute personnel as possible. This will result in a roster of those with musical interest, including the field of interest (folk, classical or jazz), instrument (including voice), amount of experience, and campus address and phone number. I hope this will make it easier for any of you interested in forming small ensembles to get together.

Bigger and Better

Once Beckman opens, a new vista is opened to ASCIT for having larger and better evening concerts. Plans are being made right now for a concert to be held at the beginning of February, but for this, those of us on the BOD need your advice. Hopefully we may be able to get some good performance in either the Folk or Jazz fields and I will be taking a poll of campus opinion in a few days. For the benefit of speedy and accurate preparation for the concert to be made in your benefit, please think this over and be prepared to make a choice as to which type of concert you would prefer to attend.

I have just about run out of fresh new ideas at the moment, but I am, as are of your friendly ASCIT officers, extremely open to new and better suggestions. If you have any, please get in touch with us.

Two Professors Get NSF Grant

Dr. Sten Samson reports that he is making major contributions to metallurgy in his investigations of how metal atoms organize themselves into geometric patterns. The National Science Foundation has awarded Dr. Samson and Dr. Linus Pauling \$41,000 to investigate this subject.

Dr. Samson says that while the nature of the bond in many substances is fairly well understood, considerable work has yet to be done to elucidate the nature of the metallic bond. The configurations of atoms apparently contribute to the stability of a compound.

After a year of hard work, Samson determined the exact position of all of the 1,192 atoms in the unit cell of the intermetallic compound of sodium and cadmium. Within the large unit of 1,192 atoms, eight subunits are arranged. To determine the exact position Samson had to make an educated guess, then verify his hypotheses by the x-ray diffraction method.

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SPORTS



Slotback Barry Dinius rounds right end on reverse in last Saturday's game with L.A. Pacific. Dinius continued for long gain as Caltech won its season opener, 32-12.

Tech Downs L. A. Pacific To Win Season Opener

(Continued from page 1)

mounted a drive with Christie and Liebermann carrying, reaching LAPC's 12 as the quarter ended. The big play was a circus catch by Peterson for 15 yards on a 2nd & 20 situation to keep the drive alive. On the 7 the drive bogged; after battering the center for six plays, Liebermann rolled off left tackle for the score. His kick for PAT was no good. 12-6. LAPC received and was forced to punt. Tech mounted a third drive from the 28, which ground up field until Liebermann loosed a long cross-field pass which was picked off on the L.A. 23 far short of its goal. The Tech line dug in and stopped the LAPC ground game cold, but short passes carried them to the Tech 24. With 10 seconds in the half the QB hit his other halfback in the flat. He swivel-hipped his way past four tacklers for a 24 yard TD. The kick was no good. 12-12.

Coach Quits Playing

Coach LaBucherie decided to quit playing around and put in his horses for the second half. Christie at QB, Peterson and Dinius at HB, and Evans at FB, average 182; this bull backfield seemed to click. After receiving, LAPC punted to Tech's 49, returned by Scott to LAPC's 36. From there, Tech went over in six plays with Dinius going over right guard for 3 yards and the

Varsity, Frosh Water Polo Seasons Open

Soccer Team Defeats UCR; Plays UCLA Next Weekend

Caltech's varsity and freshman water polo teams have been hard at work during the past two weeks preparing for the 1963 SCIAC season. Turnouts for both teams have been large and enthusiasm high.

The Varsity features no individual star, but rather a well balanced team. In the hole position are standouts senior Tom Crocker and sophomore John Walter. Senior Dave Seib and sophomore Rick Nielsen will man the midcourt and junior Hugh Maynard will join second team all-conference guard Mike McCammon to control the opposition in the defensive court. Junior Mike Baskes will probably handle most of the goal-tending duties

The frosh turnout was surprisingly large this year. As usual, few have been exposed to the game before, but all exhibit enthusiasm and eagerness to learn.

Tuesday the Varsity traveled to Orange Coast College for their first game. Tomorrow they go to Cerritos Junior College and Saturday they face the Alumni in our pool at 2:30 p.m.

Saturday saw the Caltech soccer team start off its season with a 3-2 victory at Riverside. Going into the game with only one week's practice, the team played well together and kept UCR under control most of the game. The game started with a quick goal by Herb Chen in the first minute of the game. A quick series of passes set up the goal as the Riverside defense was caught flat-footed. The rest of the half was spent in futile attempt on the goal as we controlled the ball most of the time.

The second half saw the Caltech line again catch the defense unprepared as it broke through the middle for a score. We continued to dominate the play, but Riverside managed to mount a better offense in the second half, and after about fifteen minutes of play they scored their first goal.

Controlling the ball well, Caltech kept it within range of the goal for most of the next ten minutes, until the goalie was sucked out of the goal in an attempt to break up a play. The ball was passed by him, and one

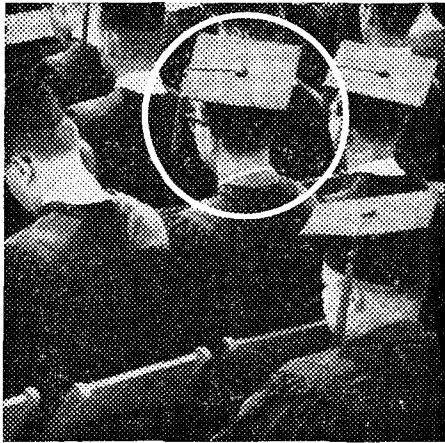
of the UCR fullbacks was forced to make a nice save, which, unfortunately, forced him to use his hands. The penalty kick was made, and Caltech led 3-1.

The final fifteen minutes of play saw UCR pushing the attack and a tired Tech team playing a defensive game. UCR scored one goal with about five minutes left to play, but were unable to push in another.

Next week the team will play at UCLA. This is probably the most important game of the season, and the team is expecting a hard game, and hoping to win.

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Copenhagen SNUFF

McCann First Guest at Frosh Dinner Forum

Dr. Gilbert McCann, professor of electrical engineering and director of the Computing Center, will be the first faculty guest at the first of the YMCA's Frosh Diners Club series this Monday at 6:30 p.m. in Chandler Dining Hall. Dr. McCann will talk about the new inter-disciplinary fields which are developing at Caltech — applied math, biological systems, plasma physics, and others — and the work of the Computing Center in making correlation of data in these fields possible. Included in the evening's program will be a guided tour of the new Computing Center with Dr. McCann.

Slated for seven Monday evenings this term, the Frosh Diners Club series will introduce a group of noted Caltech faculty members to those who attend, providing an opportunity for frosh to learn about some unusual field of research and to meet personally the men who are responsible for it. Occasionally a faculty member will talk about an avocation interest.

Freshmen, or other interested students, may transfer their meals to Chandler simply by signing lists which will be posted on all house bulletin boards by 12:45 p.m. on the day of the program. A ticket, good for \$1.35 worth of food, is obtained for the meal on entering Chandler, and students are not required to wear coat and tie for this meal. Mike Cunningham of Blacker is chairman of the series which has been planned by a group of upperclassmen.

Rotation To Be Discussion Topic At First YMCA Dinner Forum

Three new house presidents, three old ones and two faculty members will comprise a panel for a discussion and evaluation of rotation at the YMCA's first Dinner Forum program on Tuesday, October 15, at 6:30 p.m. in Chandler Dining Hall. Rick Hake of Lloyd, chairman of the Y's Dinner Forum series, indicated that the program would give an opportunity for a public discussion of the workability of the new rotation rules and their immediate effect upon the houses, in addition to the scheduled IHC evaluation, while leaving to some future date a consideration of the long-range changes in campus and house life which rotation may bring.

This program is the first of a series of six Dinner Forums planned for this term. Successive Forums will take place on Wednesday nights. Slated for future weeks is an examination of the "Negro revolt," which will include presentations by a leader of the non-violent movement in the South and a leader of the Black Muslims.

To attend the Dinner Forum simply sign up on a list posted on each house bulletin board by 12:45 p.m. of the day of the program. The programs are planned for freshmen and upperclassmen alike, and all house

residents may transfer their meals to Chandler and receive \$1.35 worth of food. Graduate students are equally welcome. Undergrads need not wear a coat and tie to attend the Dinner Forum meals.

More Rotation

(Continued from page 2) four Houses that they would choose their own House as one of the four. And although 84.8% of the freshmen admitted that they liked the idea of rotation, responses were split 50-50 on the question where freshmen were asked if they liked the the way rotation was being carried out.

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A STRESS ANALYSIS OF A STRAPLESS EVENING GOWN

And Other Essays for a Scientific Age
Edited by Robert A. Baker, Psychologist
Illustrated by Stanley Wyatt

Who says structural engineering work is dull? Finding the formula that would hold up a strapless evening gown wasn't easy—but it was a ball. This is only one sample of the scientific research that is graphically recorded in this peculiar collection of essays. Some of the others—

Leo Szilard, a world renowned physicist, looks at man's future on Planet Cybernetica. Things don't look so good.

Meihem in Ce Klasrum ushers in "National Easy Language Week". Al unecessary leters in ce alfabet ar dropd to alow us tu hav a reali sensibl writen languag.

A Psychoanalysis of U. S. Missile Failures. All missiles that crack-up on the pad are secretly sent to a nut doctor in Miami.

There's more by such lighthearted, egghead types as John Updike; C. Northcote Parkinson; James E. Miller, Chairman, Dept. of Meteorology and Oceanography, N. Y. U.; Norman Applezweig, Consulting Biochemist; Rudolf B. Schmerl, Research Administrator at the University of Michigan. \$3.95

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(By the Author of "Rally Round the Flag, Boys!" and, "Barefoot Boy With Cheek.")

BOOM!

Today, foregoing levity, let us turn our keen young minds to the principal problem facing American colleges today: the population explosion. Only last week four people exploded in Cleveland, Ohio—one of them while carrying a plate of soup. In case you're thinking such a thing couldn't happen anywhere but in Cleveland, let me tell you about two other cases last week—a 45-year-old man in Provo, Utah, and a 19-year-old girl in Northfield, Minnesota. And, in addition, there was a near miss in High Point, North Carolina—an eight-year-old boy who was saved only by the quick thinking of his cat, Fred, who pushed the phone off the hook with his muzzle and dialed the department of weights and measures. (It would, perhaps, have been more logical for Fred to dial the fire department, but one can hardly expect a cat to summon a fire engine which is followed by a Dalmatian, can one?)

But I digress. The population explosion, I say, is upon us. It is, of course, cause for concern but not for alarm, because I feel sure that science will ultimately find an answer. After all,



has not science in recent years brought us such marvels as the maser, the bevatron, and the Marlboro filter? Oh, what a saga of science was the discovery of the Marlboro filter! Oh, what a heart-rending epic of trial and error, of dedication and perseverance! And, in the end, what a triumph it was when the Marlboro research team, after years of testing and discarding one filter material after another—iron, nickel, tin, antimony, obsidian, poundcake—finally emerged, tired but happy, from their laboratory, carrying in their hands the perfect filter cigarette! Indeed, what rejoicing there still is whenever we light up a Marlboro which comes to us in soft pack and Flip-Top Box in all fifty states and Cleveland!

Yes, science will ultimately solve the problems arising from the population explosion, but meanwhile America's colleges are in dire straits. Where can we find classrooms and teachers for today's gigantic influx of students?

Well sir, some say the solution is to adopt the trimester system. This system, already in use at many colleges, eliminates summer vacations, has three semesters per annum instead of two, and compresses a four-year-course into three years.

This is, of course, good, but is it good enough? Even under the trimester system the student has occasional days off. Moreover, his nights are utterly wasted in sleeping. Is this the kind of all-out attack that is indicated?

I say no. I say desperate situations call for desperate remedies. I say that partial measures will not solve this crisis. I say we must do no less than go to school every single day of the year. But that is not all. I say we must go to school 24 hours of every day!

The benefits of such a program are, as you can see, obvious. First of all, the classroom shortage will disappear because all the dormitories can be converted into classrooms. Second, the teacher shortage will disappear because all the night watchmen can be put to work teaching solid state physics and Restoration drama. And finally, overcrowding will disappear because everybody will quit school.

Any further questions?

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Yes, one further question: the makers of Marlboro, who sponsor this column, would like to know whether you have tried a Marlboro lately. It's the filter cigarette with a man's world of flavor. Settle back and enjoy one soon.