South American specialist voices disturbing observations

by Lamb

Dr. Bier, the Academic Advisor to the Associated Students of the California Institute of Technology, last week was invited to talk about the situation in Latin America and the disturbing observations he has made in his travels.

During his week-long visit to various countries, Dr. Bier has found that the political situation in Latin America is becoming increasingly unstable. The political landscape is shifting rapidly, with new leaders emerging and old ones falling from power. The social and economic conditions are also deteriorating, with widespread poverty and inequality.

Dr. Bier has observed that the United States' policy of intervention in Latin America has had little impact in improving the situation. In fact, it has often led to increased instability and violence. He has called for a more constructive approach, one that focuses on development and economic growth instead of military intervention.

He has also warned about the danger of narcoterrorism, a growing threat in the region that is being overlooked by the international community.

Dr. Bier's observations are alarming, and it is clear that the United States must take a more proactive role in assisting Latin America to overcome its challenges.

(Continued on page 3)
COSIGNERS REQUIRED.

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more than about $350, and by next 1 January the Tech may be out of debt for good, sinking only to a low positive balance during the result of the first-term income, next summer the debt may not be slackens off during second term, and by third term almost every the summer.

Those who were elated on December, 1964, when Galley's report was picked the best possible time of year to make that report; it would be the political resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the poltical resolution that would be the political resolutio
**C A L I F O R N I A  T E C H**

**NOTICES**

**HUSBAND ON THE DRAFT**

At the Caltech Christian Fellowship meeting this Friday noon in Chandler, Dr. David Hubbard, president of Fuller Seminary, will speak on "Students, War, and the Draft." His discussion will present the relevance of the Bible to one of the principal problems facing today's student. All are invited.

**WATTS REPORT**

The Rev. James Edward Jones of the McCoee Commission, LA Board of Education, will speak on the McCoee Report and make an anticipatory proposal Sunday, Jan. 16, 1:30 p.m., at the Unitarian Church, 2596 West 8th Street, LA. Tickets at the church or Du 9-1356, $1 (students 50 cents).

**CHESS TOURNAMENT**

Organizational meeting for the annual chess tournament will be held in 101 Dalney at 7:15 p.m. Tuesday, Jan. 18. Those interested who cannot attend, contact Terry Warren, Fleming.

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**How many move off, flunk out?**

by Midd leditch

As the first term passes with all of its sorrows, a certain number of malcontents, after staking up the general situation which exists here at Caltech, decide to take a chance on the great being greener elsewhere, and move off campus. About 35 seniors took this action this term for a wide variety of reasons, the obvious ones being the 1520 women rule, the expenses of staying on campas, the lack of social distractions, and not being able to stand one's roommate, alley, or House. Of the 35 a couple of dozen make up the largest group, number ing 14. The juniors in second with nine defectors, the seniors were third with four de rectors, and finally came the freshmen who could back only one term in the monastery. Dalney is the House voted most likely to be emptied, with some 11 students moving off campus. This was such a large number that "Pappo Doc" Huttacka believed it was a "geographically possible, temporary expedition" to assign four rooms of Dalney for the use of really crowded Blacker House. It is probable that those rooms will revert to their original tenants standing next year.

Blacker had four move off campus while Ruddock and Page had three flee to other campuses. Fleming had two front high-tail it while Lloyd and Ricketts tallyed no deserters. much to the joy of the mathematicians, members in those Houses wishing for singles.

This exodus from campus usually occurs around this time every year and many never attain a particular high level of malcontented, nor the lack of the same.

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**Latin American specialist warns against self-sufficiency**

**Continued from page 1**

Merely a step by step in this case stems from lack of understanding Latin America's revolution.

Most revolts in Latin America merely signify another phase in a long-standing struggle, structure, without any significant changes in the structure of the society, the role of the people, their attitudes, or the distribution of wealth. Bolivia alone has had 180 of these since its war for independence 141 years ago, according to a well-known news report. On the other 3 countries have experienced revolutions in the true sense, with profound social changes in the structures of the countries, the role of the people. Such a revolution began in Mexico in 1911 and is not yet consummated. Similar revolutions have occurred in Cuba, where results cannot be evaluated, and in Bolivia, in 1952.

Among the three, the Bolivian revolution was relatively bloodless, and did not generate extremes leading to lasting rancor among the people. The political and social structure and economic pattern have been little altered.

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**APPLICATIONS**

**BUSINESS SCHOOL APPLICANTS**

Any student interested in graduate education in business, for either an M.B.A. or Ph.D. degree, is invited to apply for admission to the Stanford Graduate School of Business on January 18, 1966. Applications should be made directly to the Stanford Graduate School of Business, 281 Campus Drive, CA 94305.

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**CAMPUS INTERVIEWS**

20 January 1966

or you may write us direct at

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The meeting, attended by more
than 20 world authorities on the
subject, was organized by Dr. C.
G. Wiersma, Caltech professor of
biology, and was jointly
sponsered by Caltech and the National
Institutes of Health.
The meeting's reason for being,
according to Wiersma, was that
"obtaining answers to questions
regarding the function of invertebrate
central nervous systems gives us
class to as what questions to ask
in studying the more complex
central nervous systems of mammals."

Seated in 102 Steele, a new
luxurious super-lecture hall in the
still incomplele building, the
scientists heard talks on how
central nervous systems respond to
information, coding systems and
their mechanisms, the importance
of central nervous system
development, and the importance of
rythm.

The high point of the conference
came Wednesday with the talk, "The Octopus Compared to
the Mammal," by Dr. J. Z. Young, eminent anatomist from Univer-
sity College, London. Speakers
from Caltech included Dr.
Wiersma, Anthonie van Harre-
veld, Felix Strumwasser, and Roger W. Sperry, professors;
and Drs. S. K. Malhotra and Marvin
Lickey, research fellows.

The evening star is
the morning star.
ASCIT bulletin board
by Fred Lamb
ASCIT Secretary

Among the most important items discussed last Monday evening at the first ASCIT Board meeting of the term were the following:

Logan has chosen the World University Service, Planned Parenthood, and the Los Angeles County Heart Association as the three charities for this year's drive, January 24-29. An award will be given to the House with the highest average money raised, but their donations will be added to the house total.

Planned an All-Campus Exchange this Saturday, January 15, and the ASCIT Snow Party, February 11-12. Each person will be charged $2.50 ($5 per couple) for lodging at the Snow Party. Meal arrangements are being worked out now.

The Board received a letter from the student body of Harvey Mudd suggesting informal Smono football games between the class of the two schools, to be held at California Tech. The Board recommended that two games be held immediately after Interhouse football season with players selected as all-star (fresh-soph and junior-senior) ten-year pro's; intercollegiate athletes should be ineligible. The letter and recommendations were sent to the IHC for immediate action.

Social events for this term include:

- The most interesting desk jobs in the world are at General Electric.
- Desk jobs at Cape Kennedy, helping check out the Apollo moon rocket.
- Desk jobs at an air base, testing the world's most powerful jet engines.
- Desk jobs in Samoa, setting up a TV network to help teach schoolchildren.
- The most interesting desk jobs in the world are at General Electric.

Have a seat.

First, why not sit down with the man from G.E. when he visits campus. Talk with him about your goals. He'll talk with you about the hundred different avenues available at G.E. to help you reach these goals.

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Sports

**Hoopsters lose two**

Despite valiant efforts of the basketball players, the team's record has been steadily worsening since mid-season. The team has been playing stronger teams and the competition has been too stiff.

The SCIAC league play began with a game against Pomona, followed by a few more games in the conference. The Bears, though still suffering from the two-week vacation lay-off, hustled all throughout the game and managed to stay close to a stronger opponent. The whole team was playing strong, and at times threatened to catch up with the Sagehens. Unfortunately, the Bears couldn't never make it, and so went down to a 78-55 defeat.

Cold shooting

On Tuesday, Caltech's shooting suddenly turned cold, and the Bears lost badly to an Oxy team which is weaker than Pomona's. The game could have been close, except for the fact that Tech couldn't hit from either the floor or from the free-throw line. This game marked the return of John Tucker to the lineup. He is still somewhat weak from his illness, but should soon be in full playing shape.

Meanwhile, the frosh haven't been furring too well and, though they have improved tremendously since last term. They have lost all their games, but have improved with each one. They will supply several fine players to the varsity next year. George Fisk is the scoring leader, averaging almost 4 points a game. Lonnie Martin and Tom Burton have come along fast since joining the team; each is averaging around 10 points a game.

**Basketball Stats**

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**Blacker forfeits softball games**

Blacker House, following a path of incredibly bad luck, has started the new term by losing two more Interhouse softball games. After being deprived of a sure third place finish in swimming, Blacker was informed last week that Guy Jackson, a fifth-year student, refused to register for the classes he took first term, and as an unregistered team member he was ineligible to play. By playing in all the games, Jackson caused Blacker to forfeit both of its previously attained victories.

These newly acquired triumphs for Page and Ruddock move Page into a first place tie with Ricketts for Interhouse softball and a tie with Fleming for the lead in total points. The standings, including Interhouse swimming, are:

- **Page**: 34
- **Fleming**: 34
- **Ricketts**: 28
- **Ruddock**: 27
- **Dabney**: 25
- **Blacker**: 9
- **Lloyd**: 9

Jackson has returned again this term. Let's register him!

**Frosh Basketball**

The Frosh Basketball Club is underway. At the organization meeting last Thursday a group of students, under the leadership of temporary chairman Dick Hackathorn, formulated the club's purpose: to represent student interest in the Computing Center and to act as a clearinghouse of activities and information for students relating to the computer.

Several possibilities were discussed, such as computer time and tours. Dr. Fred Thompson, professor of applied science and philosophy, and faculty advisor of the club, mentioned that the club will be an excellent opportunity for selfish purposes. A committee was then formed to draft a constitution.

The next meeting will be held at 7:30 tonight in 201 Booth. As a vanguard for anti-discrimination, all undergrads, grads, and faculty are cordially invited. The meeting will consist mainly of a lecture and demonstration. Mr. Steve Case, senior systems programer at Caltech, will describe our new System/360 computer from the viewpoint of the students. Mike Mahon, a graduate student, will then demonstrate a program for data analysis on the CRT display console.

**American Airlines**

Conformity isn't exactly an old American custom.
Interhouse football begins, favorites Ruddock, Page win

by "Hank" Balliet

A couple of speakers and two routs began the 1066 version of the Interhouse football season. Both the favorites, Page and Ruddock win, but Ruddock got a real scare from Blacker. Darbys squeaked by Lloyd, and on the next day Lloyd came back to annihilate Ricketts.

Darbys win

The games started on Monday with a match between Lloyd and Darbys. This game was an extremely close one. Darbys went ahead 13-0 early in the game, but Lloyd came storming back to score three times in succession. But they could make only one of the extra points. With only a few minutes left the Darbys, trailing 10-3, got their hands on the ball. Key passes from John Eykle to Allen Hartstein set up and scored the final touchdown to tie up the game. Then in the crucial play of the game, Hartstein came through to catch a pass for the PAT—point after touchdown—to give the victory to Darbys, 13-10.

The Ruddock-Blacker game was also a thriller. Both defenses were very poor, so scoring was almost at will. Touchdowns were exchanged, with Blacker making more of the PATs, so they kept it 27-25. The most exciting play was a kickoff returned for a Touch by Blacker’s Henry DeWitt. But Lee Fettig counterbalanced this fine performance by passing for three TDs and running for two more. He passed to Greg Brewer for the final and winning score with only a couple of minutes remaining. Final score 31-29.

As Monday's games were close, Tuesday's were routs. Lloyd's spread formations wreaked havoc in Ricketts's defense, while the Staccs could do nothing to mount an attack. Lloyd even managed to score a safety in running away to a 27-0 victory.

Flens fall

Fleming was considered to have at least some strength on its team, but the Page machine completely took them apart. The Flens could score only once, and that was on somewhat of a fluke. Other than the long scoring pass, they could mount no threat whatsoever. Meanwhile, Ruddock's big attack, headed by quarterback Larry Brown and end Tom Ren- sley scored with great regularity. Sticking to a basic passing attack, Ruddock's Diem completed 18 of 20 and four TD passes, three to Rossney. The combination of a consistent attack and an excellent defense gave Page an easy 246 win.

Offensive year

This seems to be the year of the offense, the few passing games are any indications. The defenses, with the possible exception of Page, all are rather porous, and this is indicated in the phenomenal record of the quarterbacks. After one game each, Fettig of Ruddock is 11 of 13, Upsho of Blacker is 13 of 22, Eybler of Darbys is 13 of 16, and so on. With this kind of potent passing attacks, it will certainly be the quality of the defenses that will decide the outcome of the games and of the season.

Campuses and

(Continued from page 4) by three Catholic grammar schools that had suffered recently from pregnancy dropouts among their students. According to Larder, the pills can be manufactured and sold without a license since they are a radically new departure in the line of birth-control medication. Said Larder, "Conventional treat- ment is unorthodox.

Playboy politics

That well-known political observer, Playboy, has once again brought out into public view some new points of interest. In a survey conducted among 1000 students, 200 faculty members, and 200 campuses, Playboy has discovered the political facts of life.

Reactionaries

If the college students were to vote right now (assuming they could vote), 35 percent would vote for a Republican candidate; while only 15 percent would pick a Democrat. Of the Republicans, Goldwater's 11 percent of the electorate leads the group, with Lindsay taking 10 percent, Reagan 8 percent, Romney and Nixon tied at 8 percent, and Rockefeller, Hatfield, and other candidates accounting for 4, 4, and 2 percent respectively.

On the Democratic side Lynd- don Johnson took 28 percent of the vote, Bobby Kennedy had 12 percent, poor old Hubert Humphrey took only 2 percent, and George Wallace lost big with 1 percent.

Neutals

Of the faculty polled, 66 percent would pick a Democratic candidate and 34 percent would take a Republican.

Although this consensus is hardly a mandate for Democratic rule, 80 percent of the students feel that if the election were held today, Johnson would win, and 65 percent of the faculty concur.

WANTED

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Big T meets deadline

With the halfway point of the school year approaching, the Big T is holding to its deadline schedules. A flurry of activity over the Thanksgiving holidays, with an extra bit of dedication from the staff, will mean meeting the first of three deadlines. Editor-in-chief Tim Stevens sprouted a few grey hairs when the Ricketsia fire and the resulting power failure threatened darkroom activities, but good fortune and a widespread B&G efficiency and energy all operations were moved to.

Get credits for attending talks

Where should our country be going, and why? The answers of the experts will soon be heard right here on campus. For this term the Caltech YMCA has carefully packed a series of ten speakers— not politicians but thinkers—to represent the whole spectrum of political conviction.

If you sign up (today is the deadline) with Mr. Robert Woodbery, instructor ‘in history, in 14 Dabney Hall you will get 5 units of H 46 credit as well, for attendance at these lectures and minimal outside work. The first talk on ‘Socialism’ is tonight at 7:30 in Winnett’s Club Room No. 1, by Mr. Bernard Shapiro, the trade union organizer, representing the Socialist Party. Already scheduled are Mr. Nathaniel Branden, who will speak on Objectivism, and a representative of the Students for a Democratic Society. Branden will speak in Winnett Lounge at 11 a.m. January 26, and the representative of the SDS February 8 at 7:30 p.m. in Club Room No. 1.

More campuses

(Continued from page 7) Students and faculty members are buzzed upon stopping the transmission of speech via the semen by halting the creation of spermatids. However, we don’t call ‘Castration’ have a total effectiveness which lies in a method as ecstatically described by one of my students as ‘wither and drop off’.

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Opportunity comes early at Ford Motor Company. Graduates who join us are often surprised at how quickly they receive personal assignments involving major responsibilities. This chance to demonstrate individual skills contrasts sharply with the experience of many young people entering the business world for the first time. At Ford Motor Company, for example, a graduate may initiate a project and carry it through to its final development. One who knows is David Tennison, of our research staff.

Dave joined Ford Motor Company in July, 1961. Assigned to our steering and controls section, he helped develop a revolutionary steering system that will facilitate driving in future Ford-built cars.

Currently a design engineer working on suspension design and analysis, Dave has been impressed by the extent to which management encourages personal initiative among recent graduates like himself. Here, management recognizes the potential of its young engineers, and systems that reflect their academic training and special abilities. Moreover, when the idea is accepted for development, the initiator is frequently given the opportunity to see the job through—from drawing board to production line.

The experience of Dave Tennison is not unusual. Ford Motor Company believes that early incentive is fundamental to individual growth and a successful career. If you are interested in a job that challenges your abilities and rewards enterprise, we urge you to contact our representative when he visits your campus.

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