What did Joan of Arc Need?

CaliforniaTech

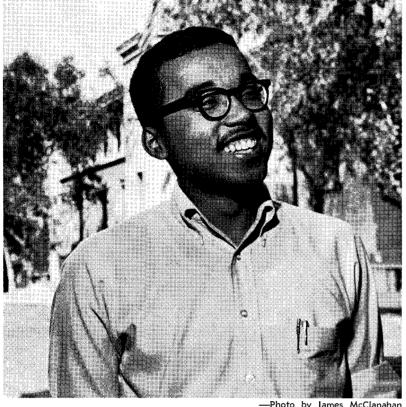
Associated Students of the California Institute of Technology

-- Custom Made Armor!

Volume LXIX.

Pasadena, California, Thursday, September 21, 1967

Number 1



high school grades are used more

Entrance examination scores

of the frosh have been rising the

past few years and this year's

class tops all previous classes in

that department, including both

the Scholastic Aptitude Test and

the Achievement Tests. Mean

math scores rose from 752 to 765,

and verbal scores are up from

677 to 689. The physics scores

rose fourteen points to 764 and

level 2 math rose slightly from

782 to 784. Chemistry leaped

thirteen points to 743 but the

English composition scores rose

Despite its smaller size, the

class of '71 compares favorably

with its predecessor on the basis

of outside scholarships received.

Sixty-six incoming frosh hold

Institute scholarships, up 23; An

increased of none in the number

of Merit Scholars to 2 is noted,

and two students hold president-

Homestate boys account for 81

frosh, with 16 from New York,

thirteen from Illinois, and nine

from Arizona and Washington,

to lead contributing states. Only

one freshman is from out side

the U.S., coming from Greece.

most, from 661 to 685.

ial scholarships.

to determine that."

ASCIT President Joe Rhodes smiles encouragingly as he considers the possibility of student from other colleges helping Teckers work on a problem such

Class of 1971 Small but Able

Although 1967 applications for to be able to survive here and so admission rose by over 10 percent compared to last year's total, the class of 1971 is the smallest in recent years. 195 freshman, down fifteen from 1966, will register this term at the Institute.

The mean high school grade point index figured akin to the standard GPA but with a weighting for science and mathematics courses, again declined from the previous year's figure, a trend that has continued for the past seven years and which indicates increasing deemphasis on grades alone as a criterion for admission.

Said admissions director, Peter Miller, "we tend to look at grades and entrance scores and more on science-oriented extracurricular interests. These activities may be participation in science fairs, math clubs, rocket clubs, ham operations, and attendance in summer programs in science and mathematics. Of course, we want the freshmen

Notices

AMATEUR RADIO CLUB MEETING

There will be a meeting of the Caltech Amateur Radio Club on Wednesday evening, September 27, at 7:30 in Winnett Clubroom 1. Important matters to be discussed and voted on. Everyone is welcome

AN OPEN INVITATION

Is now being extended to you to work on the staff of the Tech. Writers, artists, photographers, and serfs are welcome. The Tech office in Winnett is energized on Monday and Tuesday evenings.

SCRIPPS CONFERENCE

A third person is needed for Caltech-Scripps Conference organizing team. Previous Scripps Conference and social ability desirable. Good way to go again if you've been before. See Chris Dede, Rm. 73, Ricketts.

dent body, ASCIT President Joseph Rhodes proposed an original and exciting new project which would involve Caltech as a whole, both students and faculty. In the September 1 statement Rhodes announced his intention to initiate a campus-wide research project of social and

scientific importance, to be carried out beginning second term and continuing into the followin

Summer

With the initial approval of the administration, Rhodes is seeking student interest and financing for his project. Possible subjects for the research include Air Pollution, population control, transportation, and world food production, Peripheral objects include invitation of participants from other non-technical and technical schools, training inhabitants of the Pasadena ghetto as laboratory technicians and, above all, demonstrating that

In an open letter to the stu- such a student-run program is a feasible working concept.

Rhodes Plans Massive

Student Undertaking

Dr. John Sealey, Dean of the center for the Study of Democratic Institutions, in Santa Barbara, is enthusiastic, and if events develop sufficiently, proposes a conference at the Center for discussion of the problem. In addition, students at more than 20 other colleges and universities have shown interest in participating, while also attending some courses either here or at nearby colleges. Rhodes also will ask for a faculty committee with a member from each departchanges.

Money?

Rhodes and other guiding lights of the project are hopeful of receiving financial assistance from foundation sources and the institute, and Drs. DuBridge and Beckman believe such funds will be available. A meeting of the student body within several weeks will ascertain student interest in such an activity and will inform the student body further as to the possibilities and problems involved.

Upperclass Pass-Fail Policy Now in Effect

Beginning this year, upperclassmen may take courses on

The Student Education Polic-

the pass-fail system.

ies Committee, under its chair-

Caltech Scouts For **Building Money**

Caltech has launched a thirtyone million dollar building program for the next five years. The program includes the building of twelve new facilities, ranging from a behavioral biology building to new grad houses to a radio astronomy installation in Owens Valley. Although there are plans for twelve facilities, only five have heretofore been funded, according to the Development Office.

The behavioral biology building will be on the west side of the Beckman mall, henceforth called the Court of Man. The building will mainly house laboratories and is the 2.2 million dollar gift of Dr. and Mrs. Beckman. Facing it will be a matching building, that of the Humanities and Social Sciences Division. It will replace the overcrowded Dabney Hall and will contain class and seminar rooms, a lecture hall, library, and music and art studios. Funds for this building are not yet available.

Tomorrowland

The Geophysics and Planetary

Sciences building will be on the corner of Wilson and California, and will house scientific projects associated with the space program of the United States. A new Astrophysics building will soon rise northeast of Beckman. It will help in the coordination of the Palomar, Mount Wilson, and Owens Valley installations. A new cyclotron housed in a futuristic building will go up behind Dr. Huttenback's house. The new cyclotron will not attempt to match the power of the Berkley installation, but is designed to be more flexible than that one.

The A. A. Noyes Laboratory of Chemical Physics (which should be completed by November) is opposite Church Lab. It will house chemical physicists and theoretical chemists, and will cost about 2.2 million dollars. A small (1.6 million) applied math building will be built across California from Arden House.

Chester Avenue will be blocked by a new engineering building north of Steele, and four new graduate dorms will be built north of the Industrial Associates Building, providing room for 200 more students. A new business operations building will relieve the congestion in Throop and move the congestion to the parking lot north of the athletic field. Physical education facilities will be supplemented by a new gymnasium west of the pool, with areas for fencing, wrestling and squash courts.

Caltech's astronomers will be graced with a new radio-astronomy building in Owens Valley and a dome for a new 60-inch telescope at Palomar. This new telescope is needed because of city interference (lights, radio, and smog) with the telescopes on Mt. Wilson.

man, Gary Christoph, proposed the plan last year. After study, the Academic Policies Committee recommended it at a June faculty meeting, where it was adopted.

Dr. Norman Davidson, a chairman of the Academic Policies Committee, approves of upperclass pass-fail and described it as being very liberal. The motion passed by the faculty read in part: "Each term a sophomore, junior, or senior may select one elective course, not specifically required for graduation in his option to be graded on a pass-fail basis, subject to such requirements as may be imposed by his option."

In addition, "any instructor may, at his discretion, specify prior to pre-registration that his course is not available on a passfail basis." An upperclassman cannot take more than 81 passfail units, and "registration may be changed from pass-fail to regular grades and vice versa under the same regulations that apply to adding courses."

Trustees Seek Successor for Dr. DuBridge

A serious task faced by Caltech is presently being considered by a faculty committee chaired by Dr. Robert P. Sharp. Dr. DuBridge's retirement date is June 30, 1970, so his successor must be found before that time.

At the request of Dr. Arnold O. Beckman, chairman of the Caltech Board of Trustees, the chairman of the Faculty, Professor Jesse Greenstein, acting with the advice and consent of the Faculty Board, has appointed a number of faculty members to a committee. It will consult with and advise the Trustees upon candidates to succeed Dr. Lee A. DuBridge as President of Cal-

The faculty committee consists of fourteen members: James Bonner, Norman Brooks, Robert Christy, Norman Davidson, Jes-Greenstein, Marshall Hall.

(Continued on page 6)

Pasadena Board Reaffirms **De Facto Segregation**

Rejecting the dictates of justice and common sense, the Pasadena Board of Education denied the efforts of Burt Housman, Associate Secretary of the Caltech YMCA, to enroll his daughter Susan in the integrated McKinley Junior High School instead of the de facto segragated Wilson Junior High.

Despite the letter and a proposal that would have allowed Susan to attend McKinley without setting the precedent (on an

"overcrowding" point), the Board denied his request at the meeting.

Housman had first approached the Board on the matter at its September 12 meeting. He made an eloquent plea at that meeting for quality education for his daughter. Because of her Caucasian background, he stated, and because Pasadena has a 24% Negro population, his daughter will be culturally deprived if she

(Continued on page 3)

Editorial

A Word to Freshmen

You are now beginning what should be one of the great adventures of your life: your stay at Caltech. We say adventure because your undergraduate years, especially at Caltech, will be a time when you will meet new people and find yourself in demanding situations. You will find that as you interact with your environment both you and it will change.

And this is as it should be. We firmly believe that unless there are occasions during your stay here when you must search your soul for the answer to a perplexing problem, when you must reconsider your values and thereafter be able to look at the world and say, "I really learned something from that experience," then your stay at Caltech has been a failure.

Caltech offers you many things. You may learn the tools of science from the masters of the trade. You may participate in intercollegiate sports. You may join in established extracurricular activities, or you may organize your own. You will be able to do things with fellow undergrads, with graduate students, and with your teachers. You will have time to brood, to play bridge, and to study. You may work hard until bedtime, or you may carouse the night away. And the best thing about all these opportunities is that the decision to do any is entirely your own.

Frosh camp provides you with the oportunity to meet your classmates, your student leaders, and your teachers on an informal basis. Your primary goal while there should be to interact with as many other individuals as possible, ask them questions, argue with them, try to pin them down on their respective viewpoints, yet all the time remain critical of naive statements.

Although you will gain inight by talking with these people, you will learn far more from the toils of experience—the stupid mistakes you will inevitably make. Human behavior is and should be a product of rationale and of emotions. Let neither dominate the other to exclusion.

As a freshman your great assets are your curiosity, creativity, and sincerity. Maintain these and your years at Caltech will be profitable ones.

> —Les Fishbone Kirk Benson

EDITORIAL POLICY

readers, the Tech presents the following summary of its editorial policy:

The first signature following an editorial indicates the author of that editorial. The following signature, if any, indicates approval by the other editor. If both editors sign the editorial, that editorial then represents the opinion of the California Tech.

In general, column writers have complete freedom as to the content of their columns. No column will be eliminated from any issue of the paper solely because of the opinions represented in that Tech.

For the information of its column. Column writers represent their own opinions only and not necessarily the opinions of the California

> The California Tech welcomes all letters, whether or not they agree with editorial opinion. All letters must be signed, but the author's name may be withheld from publication on request. Letters are edited (or left out) solely on the bases of space and the desire to present letter opinions in proportion to the amount of mail received. As with columns, the opinions stated in letters are not necessarily those of the California

...if you read but one book this year, Dr. Frankl's book should be that one." -Los Angeles Times

Man's Search for Meaning

A famous psychiatrist vividly describes his experiences in Dachau and Auschwitz and his formulation of an existential psychotherapy based on a dynamic and humanistic view of modern man-"A gem of dramatic narrative, focused upon the deepest of human problems . . . a compelling in-

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movement of our day.''-Gordon Allport, Harvard a WASHINGTON SQUARE PRESS paperback W642



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Peanuts Book Disappoints

by Fred Prindaville

The new book, You'll Flip, Charlie Brown, leaves one wondering how far the present Peanuts craze will go. Some of Schulz's material still retains the satire of human foolishness for which Peanuts is famous, but because of the huge popularity which he is enjoying, perhaps Schultz is writing too much too fast, and watering down his potion. Some of his work now resembles the ordinary inanity which peppers other contemrary comic strips.

For example, one cartoon in the new book shows Snopy watching television. He walks off in disgust, thinking to himself, "They never have any programs that I like. I wonder why no one puts out what I would consider a perfect program . . . a four-hour documentary on beagles." A later cartoon shows Snoopy sitting by himself thinking, "It's been a long time since I've bitten someone on the leg." Linus walks by; Snoopy chomps at him but misses. Snoopy thinks to himself, "My timing is way off."









From YOU'LL FLIP, CHARLIE BROWN by Charles Shultz. © Copywright United Feature Syndicate,



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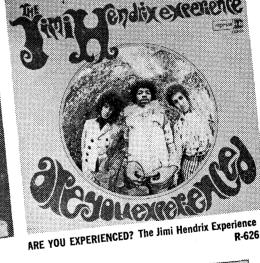
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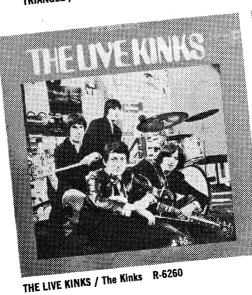
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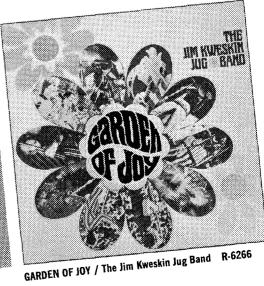
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De Facto Segregation in Pasadena

(Continued from page 1)

cannot develop in a racially balanced environment. The Board deferred decision until its next meeting.

At a second meeting September 19, Mr. Housman and his wife Joanna presented the following letter to the Board:

The basis of our request for Susan Housman's transfer from Wilson to McKinley Junior High School is not her privilege but Pasadena's future. We have insisted that she deserves no more than every other Pasadena school child: the quality urban education that a 24% Negro Pasadena school system can provide.

We have urged the Board of dissatisfied parents to seek com-

WELCOME TO

mon cause outside established Education not to allow restrictive housing patterns to continue to dictate racial isolation as the experience of Pasadena school children. We are accusing no one of bigotry, of prejudice or of conscious racism. Bigotry is not the issue, unconscious racism is the issue. We are pointing out the inadvertent brutalities of the practices of those who claim they are not prejudiced, but who do not question their own actions.

We want Susan to go to Mc-Kinley but not under special circumstances not open to all Pasadena school children. This is not, then, simply a request for voluntary integration on a single or pupil exchange basis. We remind you that if comparative

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space availability in schools is a limiting factor on new policy, that is a direct result of existing pupil distribution policy which you have the power to change.

... We believe in Pasadena's future and the wealth of her resources.

this Board of Education, elected by a city which is racially rich as its exclusively white neighboring cities are not, still has alternatives our large urban centers have lost.

...

Now is the time to declare that as the goal for every pupil in Pasadena. Delay will taunt channels, it will provoke the prospect of public outcry, and it will enhance the spectre of fear which can paralyze Pasadena's special possibilities.

Small College Papers Experience Censorship

From Press Releases

The majority of the small college newspapers in the United States appear to have experienced some form of censorship of control in the past two years, according to a recent study completed by Bruce Dudley, Director or control in the past two years, Grande College, Rio Grande, Ohio.

The study was done as part of Dudley's master's degree thesis at Ohio University's School of Journalism. He is also adviser to **Smoke Signals**, the student newspaper at Rio Grande College.

Of the 178 small college newspapers responding to the questionnaire, 96, including the California Tech, stated that during the last two years a person other than a student staff member has tried to influence the newspaper's coverage of a controversial subject or incident which had not yet been reported in the newspaper. Nearly the same number, 78, stated that during the same time period a newspaper staff member was called into a top administrator's office for "a conference," forced to print a retraction, or forced to resign following the publication of a controversial item.

However, only 44 of the 178 newspapers stated that they had been forced by a person other than a student staff member to

stop publication or significantly change an item prior to publication in the newspaper.

In 26 instances it was the adviser to the newspaper who (Continued on page 6)

CaliforniaTech

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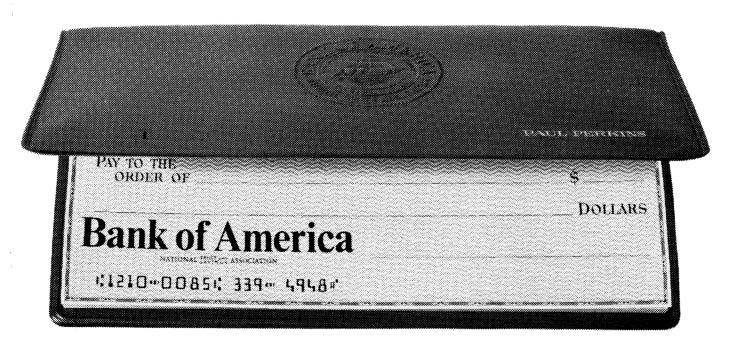
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This book was written especially for college students.

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Optimism Reigns in CIT Grid Camp

by Creasy

Vince Lombardi, head coach of the World Champion Green Bay Packers, has called football a "game of madmen." If this is true, at least one score and ten Caltech undergraduates are mad, as for the past two and a half weeks, that many Teckers have been making ready for the opening of C.I.T.'s 1967 Intercollegiate football campaign.

On the first day of September, twenty-eight candidates reported for the start of early work-outs. For various reasons, several canddiates turned in their togs and pads before the first week of two-a-day's was over. Since then, however, more undergraduates have decided to give intercollegiate football the old college try, and the squad has been revived to the same thirty members, still two less than last year's. But if the 1967 team is Caltech's smallest in recent years, it is also her most talented and enthusiastic.

The talent possessed by the latest edition of the Beavers is the result of experience and fine coaching. Eighteen returnees from last year's team have reported already, and several more possibly may turn out when school starts next week. This is quite unusual at Caltech as in the past the coaches have been forced to field inexperienced teams because upper-classmen simply would not return in strength. As for the coaching, it has been nothing short of excellent. Head coach Bert LaBrucherie is being ably assisted by line coach Tom Gutman, backfield coach Dean Bond, end and flanker coach Bob Bastion. Trainer Paul Barthel and equipment manager Lloyd "Fergy" Ferguson should be recognized for rendering both professional services and inspiration.

Perhaps overshadowing the talent of this year's gridders is their enthusiasm and optimism. From the most lowly frosh to the head coach, everyone is extremely confident that last year's winless season will not be duplicated. As a matter of fact, at least one player is convinced that Tech will capture six victories of her eight game schedule. Most team members are confident of at least two wins. At the root of this enthusiasm lie two main factors (1) Coach Gutman and (2) an undefeated pre-season.

Tom Gutman is the type of coach who inspires and, in a way, demands zealous participation from his players. His own toughness and knowledge of and enthusiasm for the game, by some mysterious process, rubs off on the men he coaches. Although he is jovially spoken of as nothing short of a slavedriver, Gutman claims genuine respect from all of the players.

The Beavers have played two semi-pro teams in pre-season scrimmages. In the first one, they effectively manhandled a group from San Fernando Valley, 38-8. 1966 all-conference end Lonnie Martin led the Tech offense, scoring two touchdowns and gaining significant yardage via pass receptions. Others who broke the scoring column for the Engineers were senior fullback Ray Kawal, senior halfback John

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Frazzini, junior QB Tom Burton, and sophomore receivers Bill Nichols and Charles Creasy. The defense was impressive at all positions, notably in the second secondary where Tech has been especially weak in recent years. With one victory under their belts and the taste still on their tongues, the Beavers next played host to the Pasadena Raiders, another semi-pro team. The Raiders were faster and stronger than the San Fernando Valley club, and the Teckers could manage no better than a 7-7 tie. The lone C.I.T. tally was scored on a Barton-Martin pass. Again the defense showed that Caltech's opponents might find crossing the goal line more difficult in

SCHEDULE

Sat., Sept. 30 2:00 p.m.

Caltech at Azusa-Pacific

Fri., Oct. 6 8:00 p.m.

Occidental at Rose Bowl

Sat., Oct. 14 8:00 p.m.

Caltech at Pomona Sat., Oct. 21 2:00 p.m.

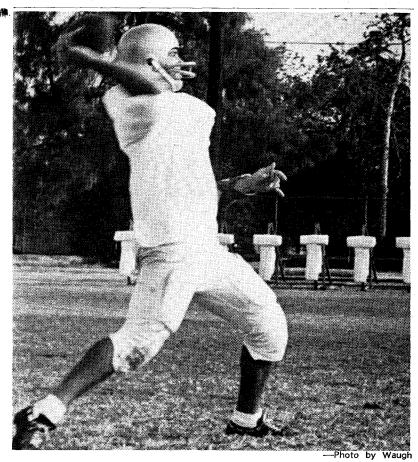
Caltech at Cal Lutheran Fri., Oct. 27 8:00 p.m.

LaVerne at Rose Bowl Sat., Nov. 4 8:00 p.m. Caltech at UC Riverside

Fri., Nov. 10 8:00 p.m. Loyola at Rose Bowl

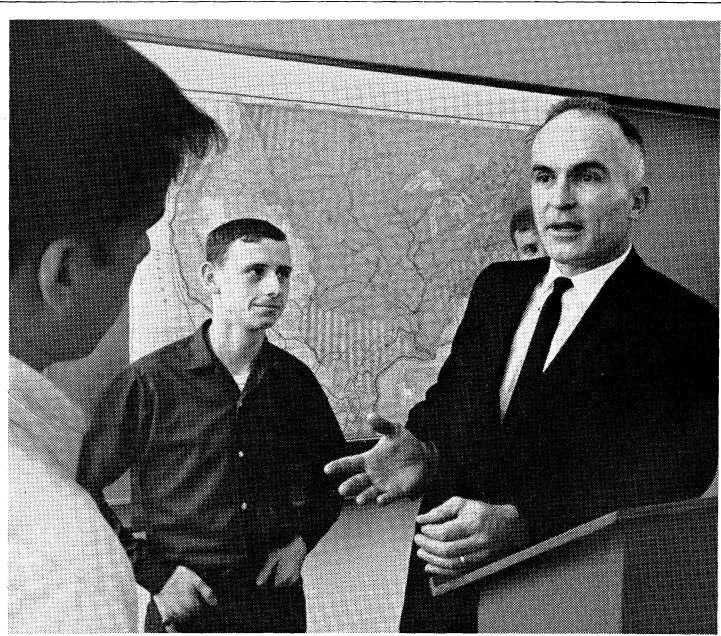
Sat., Nov. 17 2:00 p.m.

Claremont—HM at T. P.



Half-back John Frazzini may see action at QB this season.





We tell students that the best way to get ahead in this world is to stay put.

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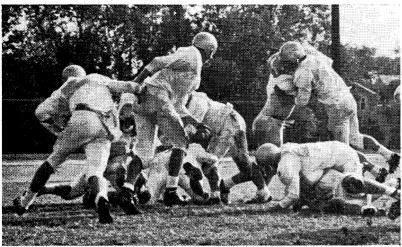
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During a hotly contested inter-squad scrimmage, Tech gridders maybe found blocking viciously (if sometimes illegally) even if none of them knows where the ball is

DEBORAH KERR, DAVID NIVEN, DAVID HEMMINGS, SHARON TATE IN

I OF THE DEVIL

Cofeature

PAUL NEWMAN, SOPHIA LOREN, DAVID NIVEN

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STUDENT **RATES**

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Frosh Mike McDonald (r.) Lumps heads with sophomore tight end Bill Nichos (I.) as Frazzini fakes hand-off back field. ... Nichols seems to be whispering in the frosh's ear: "We have to stop meeting this way, Michael."

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ACLU Reports Year's Work

From Press Releases

In 46th annual report of the American Civil Liberties Union, John de J. Pemberton, Jr., executive director, declared that even in the midst of the Vietnam War "a substantial measure of dissent is being heard." In his introduction to the report, entitled "New Dimensions . . . New Challenges," Pemberton noted these other encouraging evidences of civil liberties progress:

-Favorable court rulings which advanced two novel law suits attacking the constitutionality of the mandate of the House Un-American Activities Committee.

—Hearings held by a Presidential Commission which "for the first time since the debate over universal military training in 1951, confronted and debated the necessity for conscription's wholesale deprivation of liberties of draft-age men."

"The important point for the civil libertarian to keep everfresh in his thinking," the ACLU official said, "is that the very liberties for which we struggle are the essential requisite of a democracy's functioning. Unless dissent in wartime is protected, and permitted effective means of being heard, we cannot expect our government to deal effectively with the problems of war and war's causes. Unless men and women who are the victims of our nation's most serious domestic problems, poverty, racial discrimination and urban decay, enjoy respect from the instrumentalities of law enforcement, and the same access to the system of justice that is available to those of us who can and do employ attorneys, solutions to these problems by democratic means will not result. (The Union said it was compelled to warn that many reactions against Vietnam War protests imperil free speech and other First Amendment rights. These included the Army's court martial of a lieutenant for demonstrating against U.S. policy while in civilian clothes and during off-duty hours; the Georgia legislature's refusal to seat Julian Bond, while an official of SNCC. for his outspokenly pacifist views; the revocation of passports of Staughton Lynd and two others who traveled to Hanoi; the initial reclassification of University of Michigan students who sat in at the Ann Arbor draft board.)

While politics remained the focus of campus ferment, there were ample indications that ageold conflicts between students and authority over grooming and dress raised rather "substantial questions of personal freedom." While admitting that an individual's opinion is usually expressed in speaking or writing, the Union said that "personal taste in dress and grooming is another technique of self-expression" which embodies "a vital element of academic freedom. A school's rules ought to have a reasonable and necessary relationship to its education function."

In the due process area, the ACLU reported its view that "drug addition was an illness, not a crime, and therefore criminal punishment of an addict for acts over which he has no control fail to meet due process safeguards." Opposing involuntary commitment of addicts, the ACLU urged "a system of voluntary civil commitment in place of criminal prosecution or punishment."

Successor for Dr. DuBridge Sought by Trustees

(Continued from page 1)

George Hammond, Robert Huttenback, Lester Lees, Robert Leighton, Hardy Martel, Ned Munger, William Pickering, Robert Sharp (Ch.), who seek information and opinion concerning potential candidates to Caltech's chief administrative office.

The committee serves to promote communication concerning potential candidates (and welcomes comment from students); additionally it directs information to the Board of Trustees, which holds final authority over the selection. The faculty committee plans to present an informal list of names for consid-

eration to the Board and eventually will make a formal report of its work including a number of candidates they have found especially favorable.

So far, the faculty committee has strived to attain a large number of names for consideration. Candidates have been found through conversation within the Caltech community, through correspondence with faculty of other institutions, by review of the work of similar committees at universities recently seeking new presidents, and various informal means.

College Papers Experience Censorship

(Continued from page 3)

forced the changes to be made. However, the president of the college intervened in 14 instances. In 21 instances the item changed was an editorial; in 15 a letter to the editor; and in 13 a news story. In the majority of instances, 22, the item changed was critical of administrative policy.

Seventeen newspapers reported that within the last two years a member of the newspaper staff had been threatened with probation, dismissal, or a reduction in grades in one or more courses following the publication of a controversial item in the newspaper. The same number of papers reported that within the same time period some person threatened to cut the budget of the newspaper or the salary of a staff member.

The questionnaire was sent to the editor of 292 small college and university newspapers (2500 students or less). Of the 215 responses (73.66%), 24 were rejected because the college had more than 2500 students, six were rejected because the questionnaire was not completed by the editor, and one questionnaire was a duplicate.

The greatest number of newspapers responding were weeklies (80), but the frequency of publication ranged from semi-weekly to three per year. The number of pages also varied greatly from two to ten per issue with the vast majority being four-page publications.

Although 61 of the papers claimed to represent the student body, and 60 said they tried to represent the college as a whole, 40 claimed to represent only the newspaper staff, and 15 said they represented only the newspaper

The newspaper editor is chosen by the publications board in 62 instances, by the outgoing editor in 50 instances, by the newspaper advisor in 34 instances, and by the newspaper staff in the same number of instances.

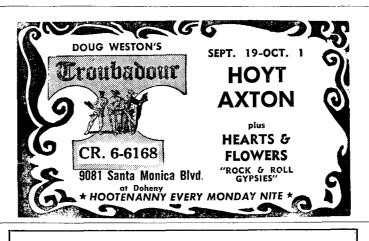
In 46 instances the newspaper advisvor was chosen by the president of the college. Others were hired specifically for the job (29), chosen by the publications board (18), by the newspaper editor (16), and by the newspaper staff (14). Eleven papers reported that they had no advisor.

Publications boards

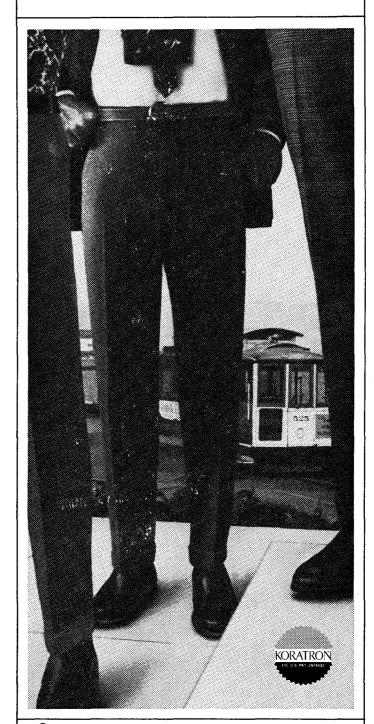
Most of the papers (92) stated that they had a publications board. The make-up, powers, and duties of these boards varied widely, however. The editor is a voting member of 60 of the boards and a non-voting membr of 12 others. The advisor is a voting member of 52 boards and a non-voting member of 20 others. The business manager is a voting member of 30 boards and a non-voting member of 19 others. The college administration and faculty are both represented on 51 boards, but they comprise a majority on only 21 boards. Thirty-three boards are in part of totally chosen by the student body or student council. The student body president is a member of 23 boards and the dean of students, dean of men, or dean of women a member of 27. As to functions, 62 choose the newspaper editor, 33 determine which staff members shall be paid and set salaries, 18 choose the newspaper advisor, 18 determine advertising policy, and 13 determine editorial policy.

In 136 instances the editor is responsible for determining the general policy of the newspaper as to what type of news stories, editorials, and letters to the editor will be printed. In 38 instances the entire newspaper staff performs this function; in 15 instances it is done by the editroial staff; 11 instances by the advisor; and six instances by the publications board.

Seventy-four newspapers have a written statement of policy concerning news stories, editorials, letters to the editor, columns, advertising and/or general operations; 99 papers have no such written statement.



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OCT. 23 Dr. A. Tyler: "THE START OF DEVELOPMENT IN AMINALS"

OCT. 30 Dr. H. B. Gray: "MOLECULAR IRONY: From Iron Rust to

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Hemoglobin' NOV. 6 Dr. M. S. Plesset: "NUCLEAR PROLIFERATION AND INTER-NATIONAL SECURITY"

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NOV. 20

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