

An Editorial

## Graduate Housing

The housing for graduate students at the Institute is a disgrace. There is nothing for graduates comparable to the Student Houses for under-graduates.

Most off-campus rooms are expensive and not too satisfactory as places to study. The old dorm is almost ready to burn down. The Athenaeum balcony is inconvenient if the student would care to keep his belongings in something other than a small locker.

Neither do graduate students have much social life. These men, who form a very large portion of the students at Tech, have nothing at all except the Inter-Nations Club to satisfy their social needs.

Last week, we received news of a home up in Altadena which is standing vacant. The house stands on five acres of ground and has fifteen bedrooms in the house itself. There are more bedrooms in what was once the servant's quarters. In all, there is room for about thirty-five students to live.

This home is ideal for entertainment purposes, since it has a swimming pool, a formal garden, and main rooms which would make an excellent place to hold a dance.

Last Saturday, Rube Mettler and myself were shown through this house. We came to the conclusion that it would make ideal living quarters for graduate students. It would offer fine housing to about thirty-five students and also give the grads an opportunity to set up some kind of social program.

There is a possibility of this home being given to the Institute. This depends mainly on whether or not the Institute could use the house and whether or not the Institute would be willing to take over the responsibility for it.

Th upkeep of the property would not be cheap, but the expenses could be alleviated somewhat by a well planned social program. The graduate students would be willing to pay a reasonable sum to enjoy parties or dances in such beautiful surroundings.

The arrangements for graduate students living there would be much like those for members of a fraternity house. Room and board would probably not be cheap, but under proper management should not be too much more than the under-graduates living in the Student Houses are paying.

Any graduate student who desires more information about this house may see either Rube Mettler in Ricketts or myself in room 73 Ricketts. We will be glad to tell you all we know about the place, and to take your name in case you might like to live there. A reservation list has already been started in the hopes that students can start living there soon.

It is time the Institute took some interest in the living conditions of the unmarried graduate students.

—Jim Hummel

## Oxy Exchange Assembly Hailed as Huge Success

The Oxy exchange assembly last Friday proved to be a very successful maneuver and provided a new vein of entertainment. The Tiger show with John Ingle as M.C. managed to pack Culbertson Hall with an enthusiastic audience who evidently enjoyed it very much. Pat Bean and Bill Olvis gave us some fine songs both solo and duet including a medley from "Rosemarie". Marc May and Margaret Lynn presented some routines from a modern dance program, and the finale featured a group in a dancing interpretation of "The Peanut Vender." Altogether it was a swell program, and a fine cast.

### Oxy Pleased

The Oxy students were very pleased with our satire on "A Night at Tech" given at their Thursday assembly. Our illustri-

ous cast included Stan Boicourt as M.C., Carl Price, Vern Edwards, Bob Walquist, the Dabney Band and Quartet. As a special attraction Bob Stanaway worked out a dance routine with Gloria Murphy, the only girl on the show. Gloria is with the P.C.C. Highlighters, was one of the dancers at the Pajamerino show, and is said to be mighty fine looking.

### Redlands Later

There will be an exchange assembly with Redlands sometime later this term, and possibly many more in the future if they continue to be as profitable as the last.

### Nothing Tomorrow

There will be no assembly this Friday. Next Friday an elaborate show is planned by the Tech Soaring and Gliding Club.

## Elections Set for Freshman Officers

The Freshman Class nominated candidates for class offices to be held for the remainder of the year, at a meeting Monday. The election of these officers will be next Monday.

Those nominated were: John Nobles, Harry Patapoff, Burt Snider, and Bob Davis for president; Howard Preston, Jim La Fleur, and Bud Pallakoff for vice-president; Bill Barmore, Frank Ludwig, and Dick Jones for Secretary-Treasurer; and Leon Michelson and George Cooke for athletic manager.

## Campus Calendar

**THURSDAY, JANUARY 20—**  
12:00 Upperclass Luncheon  
12:15 Throop Club Meeting  
7:30 Dancing Class, Culbertson

**FRIDAY, JANUARY 21—**  
8:00 Stag Skating Party, Ricketts

**SATURDAY, JANUARY 22—**  
8:30 Basketball, Caltech vs. Chapman at P.C.C.  
7:00 Basketball, Frosh vs. Chapman at P.C.C.

**SUNDAY, JANUARY 23—**  
7:30 Caltech Musicale, Dabney Lounge

**MONDAY, JANUARY 24—**  
4:20 Interhouse Bowling

**TUESDAY, JANUARY 25—**  
12:00 Y Frosh Luncheon

**WEDNESDAY, JANUARY 26—**  
4:00 Math Club Meeting, 27 Crellin  
7:30 Fencing, Dabney Dining Hall  
7:30 Orchestra, Culbertson  
9:00 Glee Club, Culbertson

## Frosh . . .

Class elections will be conducted Monday, Jan. 24, by each section. Section leaders should obtain ballots from Dean Strong.

## Millikans to be Fireside Hosts

One of the best Y firesides of the year is promised this coming Sunday at the home of Dr. and Mrs. Robert A. Millikan. Judging by the many fine gatherings Techmen have had at the Millikans in past years, this should be a very enjoyable evening for all those attending.

Dr. and Mrs. Peter Kyropoulos entertained an even dozen Techmen at their home in South Pasadena last Sunday evening and in the opinion of many Fireside "Regulars," it was one of the most successful get togethers of the year.

Following the exchange of hair-razing gliding experiences between Drury and Dr. Kyropoulos, and a discussion on odd-ball automobiles, Mrs. Kyropoulos served hot spiced tea, the recipe for which many of the boys quickly committed to memory.

## Alumni Lecture Series Features Arthur Whistler

By Dick King

It's into the far turn for the Alumni-Beaver lectures. Next week's seminar marks the ninth pole in the series of thirteen. A slight amount of confusion this week means that the next talk, on Design Engineering, will be a week early, with a shuffling of the schedule resulting. But early or not, the subject will be given a high quality treatment by another of the high caliber speakers obtained by the alumni, Mr. Arthur M. Whistler, Assistant Chief Process Engineer for Fluor Corporation.

Mr. Whistler is another former Techman, graduating with a B.S. in Physics and Engineering in 1922. He spent the first four years of his working career at Standard Oil of California, and then went to work for C. F. Braun in Alhambra, as a process engineer. In 1941 he took the position of Chief Engineer, and became adviser for special problems in 1944. He started his present job just last year.

### "T" for Throop

Mr. Whistler entered Tech in 1919 before it was Tech, that is when it was Throop Institute. At that time the only buildings were Throop Hall, a part of Gates, and the old Dormitory. When Dr. Millikan took over, he explained that the school needed a new and bigger name for the expanding enterprise. However, the students were not in favor of this idea, chiefly because of their pride in the large "T" for Throop on the mountain behind Pasadena. However, Dr. Millikan explained that the main building could be called Throop Hall, and the "T" could stand for Tech. The student body agreed with this idea.

As usual the lecture will be in Dabney Hall of the Humanities Lounge, at 4:30 p.m.

## Survey Results at Placement Office

Results of a recent survey of 173 well-known business and industrial concerns in the United States has been made available to the Placement Service. This survey was conducted by Frank S. Endicott, Director of Placement, Northwestern University. The report particularly outlines a comparison of the employment last year and the expected employment this year of inexperienced college men in the field of engineering. Those who are interested in securing a job upon completion of their college work this year will be interested in the survey from the standpoint of probable job opportunities.

### Decrease

Those companies who are employing engineers employed 3194 inexperienced men last year and expect to employ 2889 this year, showing a slight decrease. From the report it appears that approximately the same number of college visits will be made by the companies this year as last. 82 companies indicated that they will visit the same number of colleges this year, 40 indicated that they will visit more schools this coming year, and 40 indicated that they will visit fewer schools this year.

### Earnings

The report on average starting salaries are interesting. In engineering the average starting salary of the companies reporting was \$261.00 covering a range from \$200 to \$335. This was based on the returns from 113 companies. The average earnings for the first year of employment was 3285 dollars with a range of 2700 to 4100.

### Judging

The report also considers the means that were used by different companies in judging the qualities of prospective employees during interviews. Typical questions that are asked during interviews are outlined.

# Tech Debate Tourney Closes; Banquet and Dance Featured

## DuBridge Talks on Federal Aid

By Ulrich Merten

"Federal Aid to Education" was not only the subject of Caltech's debate tournament last week, but also the topic of a talk given by Dr. L. A. DuBridge at the debater's banquet in the Athenaeum last Friday. After breaking the whole problem down into four subdivisions, Dr. DuBridge skipped over the most familiar phase of the subject, federal aid to public schools, and went immediately into a discussion of the other three; aid to universities, federal scholarships, and payment for research projects.

### First Point

Discussing the first of these three, he pointed out that federal aid to universities was needed last, if at all, by state supported colleges, but that only these would benefit from such a program, since the freedom of the private universities is too precious to be sold for financial aid.

### Praise

Dr. DuBridge praised the idea of scholarships to remove the economic barrier in the way of many qualified students, but pointed out that the proposed federal scholarships are no great help to the universities (student fees pay for only 28 percent of a student's education at Caltech), and that they do not defray the student's living expenses, nor do they make up for lost wages, and these last two factors in the economic barrier must not be overlooked.

### Research Aid

Federal payment for research projects is no pot of gold, said the institute's president, but they do help universities do some specified research which they would like to attempt anyway. The main thing he emphasized in this connection was that such aid is payment for service rendered, not aid to education.

### Sees No Help

In short, Dr. DuBridge looked forward to no real help from the federal government to schools like Tech.

## Streamers Decorate At Fleming Dance

The Mardi Gras Formal Dance given by Fleming House last Friday night was distinguished by its cordial atmosphere. The music of George Martin was spirited and original, and their attitude quickly prevailed the balloon- and streamer-bedecked lounge.

### Novelty Numbers

Besides the lively novelty numbers provided by the band, entertainment came from the talented fingers of Al Eschner and Jack (Bob) Scantlin. Their ukelele interpretations of "Shanty in Old Shantytown" and "Heart aches" were enthusiastically received. An extraordinary talent for mass whistling was shown by the Fleming men and their dates during these selections.

### Explosions

For the last hour or so the romantic atmosphere was occasionally interrupted by a sudden explosive sound. This phenomenon was produced by accidental deflation of a Schmoos-shaped balloon, a flock of which were released from the ceiling as watches reached the witching hour.

### Futures

Tomorrow night another unique social event will originate in the Fleming Lounge. An exchange dance with local girls has been arranged through the dispersment of cards, handed (Continued on Page 4)

Wits, words, and logic held sway at Dabney Hall last Friday and Saturday, as 192 debaters from 23 West Coast schools had their day at the Second Annual Caltech Invitational Debate Tournament.

The tournament, on the question of federal aid to education, featured a banquet at which Dr. Lee A. DuBridge was guest speaker, and also a post-debate dance held Friday evening at Throop Club.

## Popenoe Gives Second Lecture

Another full house greeted Dr. Paul Popenoe last Monday night to hear the second Y sex lecture of the year. As an introduction to his subject, "The Psychology of Sex", Dr. Popenoe summarized the evolution of sex from simple cell division to modern monogamy. He suggested that such "new" ideas in sex relations as "free love", are chiefly throwbacks to early stages, rather than advances in evolutionary development.

### Criteria

Here are five basic criteria, as given by Dr. Popenoe, upon which to base an answer to the question, "Can we be happily married?" 1) Does the biological mating impulse exist? 2) Is our economic relationship satisfactory? 3) Do we feel real tenderness and affection toward one another? 4) Is there a non-sexual companionship between us? and 5) Is there a mutual interest in a home and children? According to the speaker, if the five answers are all "Yes", then get married, nothing can stop you. Otherwise, don't.

### Different

Dr. Popenoe emphasized that the psychologies of the two sexes are completely different, and gave the following example:

A man will pay two dollars for a one dollar item he really wants; a woman will pay one dollar for a two dollar item she really doesn't want.

### Development

A discussion of the development of the individual's love life showed how a child may get stalled at an early stage of development such as self love or mother fixation. The effect of the latter was pointed out by the case of the girl who told her mother, "I can't marry Jim, he doesn't believe there's a Hell."

### Questions

The session closed with a number of revealing questions, but some guy in the front row stumped the expert with, "Is the male seahorse the aggressor?"

## Stern's Sixth Book Published in Paris

Dr. Alfred Stern, of the Humanities Department, announced this week that he has received from his publishers the first copies of his latest book, "Philosophy du Rire et des Pleurs" (Philosophy of Laughter and Tears). This is Dr. Stern's sixth book, and is published in Paris by the Presses Universitaires de France.

Dr. Stern, who was recently elected to Pi Epsilon Theta, honorary fraternity of the School of Philosophy at USC, has previously written five other books on philosophy—in French, German, and Spanish, as well as a great number of articles in these languages and in English.

## Sailing Club to Meet Tonight in Dabney House

The Caltech Sailing Club will meet tonight in Dabney dining room at 7:15 P.M. At the meeting officers will be elected and final sailing plans for the rest of the year will be made. Members of the club and those who wish to become members should attend.

### First Places

Awarded first place cups, were teams from Pepperdine College, and College of the Pacific. Caltech debaters placed second and third in senior and junior divisions.

Rex Mull and Sheldon Nicolayson of College of the Pacific won all five of their debates to gain the senior division first-place trophy. Leo Breiman and Ulrich Merten won four out of five debates to gain second place for a Caltech team. Caltech, Redlands, and U.C.L.A. tied for third place in the upper division.

Pepperdine's debaters, Bill Lewis and Don Ruston, received the lower-division first place trophy. There was a second place tie between U.S.C., Pomona, Occidental, and Long Beach C.C. Pepperdine's women's division team of Pat Medley and Gerry Settle were also awarded a first place cup.

### Events to Come

Next on Caltech speech squad's calendar is the UCLA Speech Festival to be held February 3 and 4.

Also on the schedule are a series of debates to be held with the American Institute of Bankers this Friday evening, Jan. 21, at 7:30 P.M., 206 and 208 Dabney Hall. Ralph Stone and Ollie Gardner, and Ray Brow and Allen Beek will be the two teams representing Caltech.

### Breiman Wins

In the March of Dimes, regional oratorical contest held at Pepperdine, Jan. 11, Leo Breiman took second place and will enter the Los Angeles city finals to be held this Saturday night. His speech, on the life of Franklin D. Roosevelt, will be televised over KHJ-TV Saturday night, at 7:30 P.M.

## Gray Heads Talks On Public Personnel

Trends in the field of public personnel work was the topic of a symposium held in Pasadena by the Southern California Branch of the National Vocational Guidance Association last Thursday. Moderator of the meeting, which was attended by top ranking public personnel officials, was Dr. Robert D. Gray, President of the California State Personnel Board and Professor of Economics and Industrial Relations at Tech. Speakers representing western schools, the Army, and city, state, and federal civil service agencies were heard in a program arranged by the employment director of USC.

## Interview Schedule

**JAN. 20—**  
U. S. NAVAL LABORATORIES—GENERAL DISCUSSION at 4:30 p.m. in 206 Dabney Hall. Speakers will discuss both the professional and personal aspects of Government employment. Graduate students and seniors especially invited, although all students welcome. See special announcement on Placement bulletin board for further details.

**JAN. 22 AND 29—**  
U. S. NAVAL LABORATORIES FIELD TRIPS AND DEMONSTRATIONS will be held at the U. S. Navy Electronics Laboratories in San Diego on January 22, 1949, and at the Morris Dam Range of N.O.T.S. in San Gabriel Canyon north of Azusa on Saturday, January 29, 1949. Register at Assembly on January 20, 1949, or in the Placement Office after that date. Special notice next issue.

**JAN. 25 AND 26—**  
U. S. NAVAL LABORATORIES—U. S. Navy Electronics Laboratory in San Diego, Naval Ordnance Test Station, Naval Air Missile Test Center. Interviewing Chemists who are above a P-1 rating, and Physicists, Electrical, Mechanical, and Aeronautical Engineers who are of P-1 rating and above.

**FEB. 1 AND 2—**  
U. S. NAVAL LABORATORIES—Re-interviews. Details later.

**FEB. 4—**  
WESTINGHOUSE ELECTRIC CORP.—GROUP DISCUSSION at 4:30 p.m. in 206 Dabney Hall—Seniors and graduates in Electrical and Mechanical Engineering and Industrial Design. All men who expect to be interviewed must attend this discussion.

### The California Tech

Published every Thursday during the college year except during examinations and holiday periods.

**California Institute of Technology**  
1201 East California Street, Pasadena, Cal.  
Subscription rates: \$1.50 per year.  
Entered as second-class matter Nov. 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.

Offices: Lower Fleming  
Telephone: Sycamore 6-7121 Ext. 180  
Distributor of Collegiate Digest  
**Jim Hummel, Editor**

**EDITORIAL STAFF**  
Managing Editor.....Earl Hefner  
Sports Editor.....Thorne Butler  
Feature Editor.....Bob Kurland  
News Editor.....Bruce Stowe  
News Staff.....Fred Drury, Woody Bratnaber, Ollie Gardner, Dick King, Bill Wright, Tony Malanoski, Stu Goldman, Carl Price, Wayne Herzig  
Rewrite Staff.....Bob Haufe, Chief Lee Ross, Alex Drapes, Charles Steese, Bob Kurland  
Special Writers.....Fred Wood, Paul Saltman, Dick Schuster, Stan Boicourt, Dick King, Jim Young  
Sports Staff.....Dale Krause, Eric Brown, Leon Michaelson, Bill Harris, Stan Boicourt, Dan Lemay  
Photographers.....Hugh Stoddart, Chuck Wallace

**BUSINESS STAFF**  
Manager.....Bill Bradley  
Circulation Manager.....Win Soule  
Business Staff.....Charlie Steese

### Musical Masterpieces

**KFAC 4-5 p.m. daily**  
**2-5 p.m. Sunday**  
Presented by the **Slavick Jewelry Company**

**THURSDAY JANUARY 20**  
\*In Nature's Realm—Dvorak  
Frederick Stock and Chicago Symphony Orchestra  
Sinfonietta—Janacek  
Rafael Kubelik and Czech Philharmonic Orchestra  
La Pisanella "Suite"—Pizzetti  
Carlo Zecchi and London Philharmonic Orchestra

**FRIDAY JANUARY 21**  
\*Sylvia Ballet Music—Delibes  
Stanford Robinson and B.B.C. Theatre Orchestra  
\*A Midsummer Night's Dream "Incidental Music"—Mendelssohn  
Arthur Rodzinski and The Cleveland Orchestra  
Kikimora—Liadov  
Sir Adrian Boult and The Halle Orchestra

**SATURDAY JANUARY 22**  
\*Francesca da Rimini—Tschaiowsky  
Sir Thomas Beecham and London Philharmonic Orchestra  
Macbeth "Excerpts"—Verdi  
Vera Terrey, Soprano; Ernest Frank, Baritone; Sir Thomas Beecham and Royal Philharmonic Orchestra  
Faust "Garden Scene"—Gounod  
Joan Hammond, Soprano; Heddle Nash, Tenor; alter Susskind and The Philharmonia Orchestra

**SUNDAY, JANUARY 23**  
"CONCERT FAVORITES"—2:00-3:00 P.M.  
Kilrany, "In the Gloaming," Has Sorrow  
Thy Young Days Shaded, Reginald Kell and His Orchestra  
The Birds—Respighi  
Desire Defauw and The Chicago Symphony Orchestra  
Ballade for Piano and Orchestra—Faure  
Caby Casadesus, Pianist; Manuel Rosenthal and The Lamoureux Orchestra.  
Traumeri, The Kerry Dance, Lullaby—Brahms  
Lotte Lehmann, Soprano; Robert Armstrong and Orchestra  
Spirituals transcribed for Chamber Orchestra by Adolf Busch  
The Busch Chamber Players, Adolf Gusch Conducting

"STAGE MELODIES"—3:00-4:00 P.M.  
Selections from "It Happened in Nordanland"—Soloists: Walter Preston and Genevieve Rowe; Harold Sanford's Chorus and Orchestra  
Medley of Cole Porter Songs  
Fred Waring and His Pennsylvanians  
\*Music from "Since You Went Away"—Steiner; Lou Forbes and The Studio Orchestra  
Selections from "Katinka"  
The Douglas Concert Orchestra  
Waltz Time Favorites  
Dick Leibert at the Organ with Orchestra  
"MUSICAL MASTERPIECES"—4:00-5:00 P.M.  
The Power of Music Overture—Boyce  
Arthur Fiedler and Boston "Pops" Orchestra  
\*Concerto No. 4 in G Major for Piano and Orchestra—Beethoven  
Robert Casadesus, Pianist; Eugene Ormandy and The Philadelphia Orchestra  
\*Ballet Suite from Operas—Gluck  
Arthur Fiedler and Boston "Pops" Orchestra

**MONDAY, JANUARY 24**  
Calm Sea and Prosperous Voyage "Overture"—Mendelssohn  
Leo Blech and London Symphony Orchestra  
\*Symphony No. 96 in D Major "Miracle"—Haydn; Edouard van Beinum and Concertgebouw Orchestra of Amsterdam  
Sonata in G Minor for Violin and Piano—Tartini; Alfred Campoli, Violinist; Eric Gritten, Pianist  
Elegy for Strings—Elgar  
John Barbirolli and The Halle Orchestra

**TUESDAY, JANUARY 25**  
Der Freischutz "Overture"—Weber  
Eugene Ormandy and The Philadelphia Orchestra  
\*Symphony No. 2 in D Major—Beethoven  
Serge Koussevitzky and Boston Symphony Orchestra  
Mefisto Waltz—Liszt  
Serge Koussevitzky and Boston Symphony Orchestra

**WEDNESDAY, JANUARY 26**  
Aida "Triumphal March"—Verdi  
Howard Barlow and Columbia Broadcasting Symphony  
Concerto No. 1 in A Minor for Violoncello and Orchestra—Saint-Saens  
Gregor Piatagorsky, Violoncellist; Frederick Stock and Chicago Symphony Orchestra

### CAMPUS BREWINS

The weekend dates from Thursday through Monday (Ye Olde Sexe Lecture), so sit back and relax:

First of all, some bouquets: to Gloria Murphy for her enthusiastic contribution to the Caltech Talent Troupe sent to Occidental last Thursday morning. To Rube Mettler, about whom more will be said. To the Occidental guys and gals who suffered through curtain-less Culbertson at the Friday assembly.

**Dr. Mettler, I Presume!**

The Shiproom was exposed to half of Ricketts and Rube Mettler last Thursday night (and Friday morning) celebrating the R.A.'s last big hurdle on the way to a Ph.D. Before the evening was half over, the maitre d'hotel was scouring Pasadena for some more beer. There was an

### The Evening Concert

**KFAC 8-10 p.m.**  
Presented by the **Southern California and Southern Counties Gas Companies**

**THURSDAY, JANUARY 20, 1949**  
A Program of Chamber Music  
LA ORACION DEL TORERO, by Turina.  
The Gordon String Quartet (8).  
TRIO NO. 5 IN D MAJOR (GHOST), by Beethoven. Yehudi Menuhin, Violinist.  
Heptabah Menuhin, Pianist. Maurice Eisenberg, Violoncellist (25).  
SEXTET IN A MAJOR, by Dvorak. Budapest String Quartet. John Moore, 2nd cellist. Watson Forbes, 2nd Violist (32).  
OCTET IN E FLAT MAJOR, by Mendelssohn. International String Quartet (32).  
QUINTEt IN C MAJOR (arr. for String Orchestra), by Boccherini. D'Archi Chamber Orchestra conducted by Carlo Zecchi (16).

**FRIDAY, JANUARY 21, 1949**  
A Program of American Music  
ADAGIO FOR STRINGS, by Barber. NBC Symphony Orchestra conducted by Arturo Toscanini (8).  
SYMPHONY NO. 1 IN E MINOR (INORDIC), by Hanson. Eastman-Rochester Symphony Orchestra conducted by Howard Hanson (25).  
JESUS MARIA SANROMA, PIANIST.  
CONCERTO NO. 2 IN D MINOR FOR PIANO AND ORCHESTRA, by MacDowell. Boston "Pops" Orchestra conducted by Arthur Fiedler (24).  
ADVENTURES IN A PERAMBULATOR, by Carpenter. Minneapolis Symphony Orchestra conducted by Eugene Ormandy (27).  
RODEO—FOUR DANCE EPISODES, by Copland. Dallas Symphony Orchestra conducted by Antal Dorati (23).  
POEM FOR FLUTE AND ORCHESTRA, by Charles T. Griffes. Eastman-Rochester Symphony Orchestra conducted by Howard Hanson (9).

**SATURDAY, JANUARY 22, 1949**  
THE BARBER OF SEVILLE, by Rossini. Famous Soloists, Chorus and Orchestra of La Scala, Milan, conducted by Lorenzo Molajoli.  
**MONDAY, JANUARY 24, 1949**  
EURYANTHE OVERTURE, by Weber. Chicago Symphony Orchestra conducted by Frederick Stock (8).  
SYMPHONY NO. 5 IN E MINOR, by Tschai-kowsky. The Philharmonia Orchestra conducted by Paul Kletzki (44).  
LILI KRAUS, PIANIST.  
FANTASIA IN C MINOR (K. 475) and SONATA NO. 14 IN C MINOR (K. 457), by Mozart (31).  
FROM THE MIDDLE AGES—SUITE, by Glau-zounov. Indianapolis Symphony Orchestra conducted by Fabien Sevitzky (25).  
VOCOLISE, by Sergei Rachmaninov. Philadelphia Orchestra conducted by Rachmaninov (4).  
**TUESDAY, JANUARY 25, 1949**  
CORIOLAN OVERTURE, by Beethoven. Vienna Philharmonic Orchestra conducted by Wilhelm Furtwangler (8).  
SYMPHONY NO. 1 IN C MINOR, by Brahms. Hollywood Bowl Symphony Orchestra conducted by Leopold Stokowski (43).  
CONCERTO IN D MAJOR FOR VIOLIN, PIANO AND STRING QUARTET, by Chausson. Jacques Thibaud, Violinist. Alfred Cortot, Pianist and String Quartet.  
THE GOLDEN SPINNING WHEEL—SYMPHONIC POEM, by Dvorak. Royal Philharmonic Orchestra conducted by Sir Thomas Beecham (24).  
**WEDNESDAY, JANUARY 26, 1949**  
THE ITALIANS IN ALGIERS—OVERTURE, by Rossini. Columbia Broadcasting Symphony conducted by Howard Barlow (8).  
SYMPHONY NO. 4 IN A MAJOR (ITALIAN). by Mendelssohn. National Symphony Orchestra conducted by Dr. Heinz Unger (29).  
TITUS GOBBI, BARITONE (22).  
PER ME GIUNTO AND IL MORRO FROM DON CARLOS, by Verdi.  
ERA LA NOTTE FROM OTELLO, by Verdi.  
BUNO ZAZA AND ZAZA! PICCOLO ZINGARA FROM ZAZA, by Leoncavallo.  
COME DUE TIZZI ACCESI FROM L'ARLESIANA, by Cilea.  
LARGO AL FACTOTUM FROM THE BARBER OF SEVILLE, by Rossini.  
THE PLANETS—SUITE OF SEVEN TONE POEMS, by Holst. B.B.C. Symphony Orchestra conducted by Sir Adrian Boult (52).  
Le Beau Danube Ballet Music—Johann Strauss  
Antal Dorati and London Philharmonic Orchestra  
\*By Request

### Who Dealt This Mess

By Carl Fox

In No Trump contracts it is seldom that all the honors in the dangerous suit are in the same opponent's hand. In some cases, by taking advantage of this fact, a neat though not common play is available to Declarer. The following hand illustrates one method of forcing the defense to either block their suit or present you with an extra trick in their effort to unblock.

S A 8  
H K Q 9 5  
D A J 7 2  
C Q 9 5  
N  
S  
S 10 9 6 4  
H 7 4  
D K Q 9 3  
C A K 2

**North-South vulnerable**

You are South, playing Three No Trump. During the auction West interjected a Spade bid and his opening lead is the Spade three. From his bid he is marked with the Heart Ace.

There are eight immediate tricks in the hand with the ninth available in Hearts. But the danger is West, when let in with the Ace, will be able to run enough Spade tricks to defeat the contract. This is possible only if he holds five Spades, a probable situation. But if this is true then East can hold only two (possibly one) including an honor since West's correct lead, holding King-Queen-Jack, is the King.

(Continued on Page 4)

### Shavings... From The Board

By Stan Boicourt

Most of us think of the Honor System as something we have for convenience and for the inner satisfaction of living by it. But last week its merits took the form of good, cold, hard cash. The tobacco company and their representatives, Mr. Lester and Mr. Reynolds, who were on campus giving cases and cigarettes away, also sold pipes and tobacco. On most campuses the representatives say they can figure on losing so much through theft of the pipes from the open and easily accessible table. To compensate for this, they sell the pipe-tobacco combination for somewhat over the cost price.

Last week on the Tech campus instead of losing, they profited \$22.65 which they very thoughtfully donated to the student body treasury. I guess everybody agrees that it gives a good feeling to have someone outside of Tech discover that this Honor System of ours does work.

Our ever slaving friend, Cruck Forester, was down to the last Board meeting with some very interesting business. As chair-

man of the impending election rally, Chuck is diligently carrying on preparations, including a considerable poll on student opinion and taste. The controversy of the recent poll, incidentally, has still not been decided; but we have every confidence that Forester will do his utmost to reach a happy compromise between all factions; sort of balancing of forces.

This business of solicitations was finally hashed over in Student-Faculty meeting with the conclusion that the student body Board of Directors should decide the final attitude. On reaching a decision on any drive it was urged that they bear in mind the effect their actions would have on public relations.


With this thought in mind, and in anticipation of the oncoming Infantile Paralysis Drive, the Board voted at its last meeting to allow repositories to be placed in the lounges, and to conduct publicity campaigns on campus, but not to conduct any personal solicitations. Future drives will be decided upon individually, but it is thought that all except the Y and the WSSF will meet with similar policy.

The date for ASCIT elections has been changed to Thursday, February 24. Assembly is still the same.

**TYPING**  
**THESES**  
**MANUSCRIPTS PAPERS**  
**COBINNE BABCOCK**  
**SY. 9-2462**

**Campus Barber Shop**  
In Old Dorm Coffee Shop Bldg.  
ALSO  
**4-DAY LAUNDRY**  
**& CLEANING SERVICE**

**HAROLD O. GRONDAHL**  
Representing  
**NEW YORK LIFE INSURANCE COMPANY**  
234 E. Colorado St., Pasadena  
Phone SY. 2-7141



# Smoke a LUCKY To feel your LEVEL best!

Luckies' fine tobacco picks you up when you're low . . . calms you down when you're tense!



Luckies' fine tobacco puts you on the right level—the Lucky level—to feel your level best, do your level best.

That's why it's important to remember that LUCKY STRIKE MEANS FINE TOBACCO—mild, ripe, light tobacco that makes a thoroughly enjoyable smoke. No wonder more independent tobacco experts—auctioneers, buyers and warehousemen—smoke Lucky Strike regularly than smoke the next two leading brands combined.

Light up a Lucky! Luckies' fine tobacco picks you up when you're low, calms you down when you're tense. So get on the Lucky level where it's fun to be alive. Get a carton and get started today!



COPR. THE AMERICAN TOBACCO COMPANY

## L.S./M.F.T. - Lucky Strike Means Fine Tobacco

**On Laundry Day**  
LOOK FOR ONE OF THESE MEN  
Ricketts—Bill Meyers • Dabney—Ed Warrell  
Fleming—Jack Moffat • Blacker—John Heath  
He Is Our Representative in Your House  
**Speedway Laundry**  
EXPERT LAUNDRY SERVICE

**HOUSE JACKETS**  
Corduroy and Flannel  
Men's Distinctive Fashions  
881 E. Colorado  
**Fowler & Schrader**  
Open Fri. & Sat. Nites

**Schussing**  
with the Shoose

We have finally come into our own as regards snow in the local mountains. With the storm of the last few weeks on top of the good base that was deposited over the Christmas holidays we have enough snow to last some time up at Snow Valley. For some time all of the slopes were quite icy, but with the late storm conditions should be better now.

**Plan for Easter**

It is good to start thinking of your Easter vacation skiing right at the present time. With a heavy Winter predicted and plenty of snow everywhere right now, reservations are going to be difficult to get at most of the better ski resorts. I know of groups planning to go to Mammoth, Alta, and Aspen over the vacation, and if you are interested, please contact me or another officer of the Ski Club. We are trying to aid fellows in getting their groups together.

Skiing was very fine at Snow Valley over Christmas, the reports have it, especially in the few days just following the holiday.

**No Lift**

Unfortunately, it doesn't look as if the chair lift is going to be finished by this Spring. All of the foundations and steel towers are in, but the chairs and cables and power equipment haven't shown up as yet. You can see, however, just where the lift is going, and it is going to be a fine run, indeed.

We are going to attempt some instruction for beginners over the weekends up at Snow Valley.

**Beavers Seek Revenge Over Chapman Five**

On Saturday night the Beavers will be looking for revenge when they face the Chapman five. It was this club which knocked the Beavers out of the consolation finals during the Redlands tournament last December.

**Fine Team**

Chapman has a well rounded, aggressive ball club and have always been the downfall of the usually favored Engineers. They feature a fast break and plenty of set shot skill, the factor which hurt Tech so much in their last meeting.

Starting for the Beavers will be captain and high scorer Paul Saltman. The "Goon" has been averaging about fifteen points per game this season and is a real threat. At forwards will be Ted Bowen and Tex Bass. Both these boys have been a major factor in controlling the backboards and getting tip-ins. At guards Bill Cox and Al Sereno will fill out the Engineer five.

The game is at Chapman at 8:30. Also Ed Preisler and his Frosh will be in the opener; tip-off 7:00.

We were going to try it this last weekend, but the combination of the ice and the following blizzard made it difficult. Dick Springer and several of the team members have indicated their willingness to attempt some beginning instruction.

We want to clarify a point that apparently has been somewhat confusing in the past. You do not have to be a Tech student to

**Beaver Sports**

**Interhouse Tennis, Troubled by Snow, Starts with Promise**

The Interhouse tennis season got under way Tuesday after a week's postponement because of, if you'll pardon the expression, snow. Fleming tangled with Ricketts and Dabney took on Throop in the opening matches.

**Hot Competition**

Although the season got a slow start, it can't keep up that pace for long. As last year's tennis was instrumental in changing the delicate Dabney-Fleming point balance in the trophy race, this year's competition should be much hotter, weather permitting.

It is not true that this year's teams were organized by a show of hands at lunch on the day of the first match. On the contrary they show great promise, having most of the last year's best players and some spirited Frosh transfusions.

**Fleming Potent**

The powerful Fleming team comprises Vern Edwards, Bill Woods, Carl Price, Barry Schuyler, and Lee Huang. Dabney's defiant group includes Ed Welch, Jack Ottestad, Jim LaFleur, Mal Hickey, Martin Walt, Sam Fong and Bob Stewart.

The Ricketts Racketeers have

joined the Ski Club. Any campus personnel at all, and their friends, may join. The annual dues for non-students is \$4.00, and this includes a subscription to the Skier. Be sure and contact one of the club members selling memberships and join right now.

**Bengals Upset Engineers With Runway Score**

Last Saturday night on the new PCC hardwood Occidental proved to have a little too much on the ball for the Beaver lads, and the Eagle Rocks certainly had eagle eyes as they ran up a 63 to 41 score.

**Haas Stars**

The game was not nearly as one-sided as the score might indicate. Midway in the second half they were only in front by three points, 36 to 33. Shortly after that the toll was 43 to 35 in favor of Oxy, at which point the Orange and White disintegrated completely until the end of the game. Right now we have to single out Gene Haas of the Tigers as the boy who had the most to do with our defeat. This fast forward was top man for the evening with 18 points as he dominated the offensive play as well as playing a fine defensive game. He certainly had his eye as he pushed one after another through the hoop.

Saltman was again high man for the Beavers, as he dropped in 5 free throws and 6 field goals for 17 points. He played a very nice game, but none of the lads were up to their game of last week.

Milt Carus and promising Frosh Roger Baier, Marvin Hyman and Richard Spence. Blacker, drawing a bye on this week's matches, deemed a team unnecessary. When it shapes up it will probably form around Fred Drury, John Heath, Bill Palmer, and the Karzas boys. Throop has a group

**Beavers Nipped Welch's Tally In Closing Seconds Gives Pomona 42-40 Victory**

Our hardwood men really lost a heartbreaker to Pomona last Tuesday evening on the PCC court. After the Frosh held off a Sagehen rally in the last few minutes to pull out 36-35, the Varsity just couldn't hang on. With one minute to go Pomona tied the score at 40 apiece, and then Welch dropped in the clincher with only 15 seconds to go. A possible Tech rally in the last minute was cut short when the ref then ruled that we had taken the ball back across the center line.

**Frosh Sports Roundup**  
By Leon Michaelson

**By Leon Michaelson**

The ice is broken. An aggressive Frosh basketball team fought their way to a 36 to 35 victory over the Pomona invaders last Tuesday night. Sparked by hard-driving Harry Patapoff, who copped high point honors with sixteen points, the Techmen recovered from a slow start, journeyed through a 18-18 half-time score, and emerged with their narrow but significant win.

The magnitude of the drive displayed by the locals can be readily seen by the 23 fouls compiled by the team. Michaelson, Snider and Patapoff, in that order, were retired from the game with 5 fouls apiece beginning about the middle of the second half.

Oxy came to town last Friday to give the Frosh a basketball lesson, costing the Beavers the price of a 44 to 32 loss. This, however, was a favorable end considering the rout handed out by Redlands last week.

The lineups:  
Caltch (32) Stewart (3) (44) Oxy Stewart (3) (12) Patapoff (12) Peters (11) Oxy Escobar (2) Bradley (1) Ditto (3).  
Caltch (36) Michaelson (4) (2) Muirhead Patapoff (16) (6) Rogers Gray (3) (15) Woods Tautz (8) (15) Allen Snider (8) (7) Peterson  
Scoring subs:  
Tech: Karasawa (23) Stewart (11), Peters (2).  
Pomona: (none).

made up, for the most part, of off campus men.

The Frosh class has made a very good showing on the tennis teams this year. Notable examples of the new blood are the Ricketts roster and Dabney's Ed Welch.

**GET YOUR SKI CLUB MEMBERSHIP NOW!**

Anyone on campus is welcome to join.  
Dick Schuster—Fleming 10  
Fred Drury—Blacker 29  
Jim Blom—Dabney 52  
Blouke Carus—Ricketts 49  
Warren Schlinger—Chemical Engineering

**Bowen High Man**  
Ted Bowen played his outstanding game thus far this season to hand in the best performance on the floor. He took high point honors with 14 counters and played a sterling defensive game. His defense in the last half was really noteworthy as he picked up his fourth personal foul just after the second half ended.

**Defensive Play**

The game started with defensive play only, the score 5 to 3

**SCIC STANDINGS**

	W	L	Pct.
Whittier	3	0	1.000
Pomona	2	2	.500
Redlands	2	2	.500
Caltch	1	2	.333
Oxy	1	3	.250

with six minutes gone. Cox, Bowen, and especially Sereno were stealing the ball, and we were controlling the backboards a good part of the time. The half ended 21-18 in favor of Pomona, and the near even score tells of the even game.

**Seven Point Lead**

Tech started out the second half in a hurry, and by the time that 10 minutes had passed we had run up a 7 point, 33-26 lead. But then our defense, which had really tightened up after we took the lead, slackened off, and the blue and white gradually narrowed the gap.

**Welsh Outstanding**

It should be mentioned that the Beavers really bottled up Olson, the Pomona center, who usually is a serious threat. He managed to hit the hoop for 13, but he was thrown way off of his game by our tight defense. The main Pomona credit should go to little Welsh, who just couldn't miss when he tried his short shots from the side.

**CALTECH BARBERS**

on California Near Lake

**PASADENA BOWLING COURTS**

970 East Colorado  
Headquarters of Caltech Bowlers  
Open 11 a.m. to 1 a.m. SY. 3-1341  
Special Student Rate before 6 P.M.  
except Saturday, Sunday, and Holidays  
20c Per Line

**YOUR COLLEGE SPORTS SHOP**

Headquarters for Sporting Goods

**WYNN MACE Tennis Shop**

Phone SYcamore 6-5804  
912 EAST CALIFORNIA ST.  
Pasadena, Calif.

**Clothes Need Cleaning?**

See Our Representative in Your House

Ricketts—Bill Meyers  
Fleming—Jack Moffat  
Dabney—Ed Worrell  
Blacker—Pete Howell

**SAVETZ CLEANERS and TAILORS**

**SALE**

**CLEARANCE PRICES NOW**

**MEN'S SUITS . . . OVERCOATS**  
**SLACKS . . . . . SPORT COATS**  
**SWEATERS . . . . . SPORT SHIRTS**  
**ROBES, T-SHIRTS, ETC.**

**HOTALING'S**

TWO STORES FOR MEN  
54 E. COLORADO ST.  
921 E. COLORADO ST.



**SKIS**

RENTALS - REPAIRS - TOGS

**HOLIDAY HOUSE**

Lake and Colorado SYcamore 6-7806  
Open Friday Evenings Till 9 P.M.

*How Long can a song-hit live?*



Hear **CONNIE HAINES'** new version of "Stormy Weather" ...you'll know! (A Signature Record)

That great number that everybody was humming back in 1933 comes to life again with Connie Haines' sensational, new recording. Here's little Connie Haines, smooth-singing, phono-fan favorite, talking over this all-time hit-tune with fellow musician, Jerry Jerome.

*How MILD can a cigarette be?*

Make the **CAMEL 30-DAY TEST** ...and you'll know!

Yes, make the 30-day Camel Mildness Test. See for yourself how mild Camels are. In a recent test of hundreds of people who smoked only Camels for 30 days, noted throat specialists, after making weekly examinations, reported

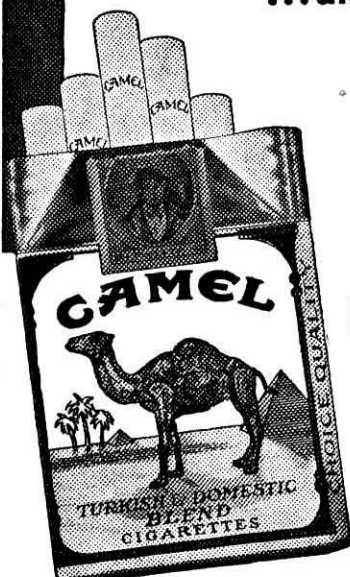
**NOT ONE SINGLE CASE OF THROAT IRRITATION due to smoking**



**Camels**

**Money-Back Guarantee!**

Smoke Camels and test them in your own "T-Zone." T for taste, T for throat. If, at any time, you are not convinced that Camels are the mildest cigarette you ever smoked, return the package with the unused Camels and we will refund its full purchase price, plus postage. (Signed) R. J. Reynolds Tobacco Co., Winston-Salem, N. C.



**CAMPUS BREWINS**

(Continued from Page 2)

Jug might dispute that. We do know that she was racing through the Tunnel, trying to kiss every man in sight. Reaching Blacker court, her eyes lit on Peter Howell. Now, Pete, even if he is a chemist, is a pretty innocent sort of guy. I suppose he's as courageous as the rest of us, but when he saw this screaming hunk of sex-on-wheels coming at him, arms flailing, lips jabbering French terms of endearment, and her elastic not at all up to its prodigious task, poor Pete Howell simply lit out for his room.

—Hey, sign that man up for track!

**Dabney Elects Scripps**

An abortive Oxy exchange in the Southwest last Friday had the Dabs swearing off western talent. John Davy seemed to be doing all right—a woman picked him out early in the evening, and buried her head on his chest for the remainder. Next night, it was the same thing — different girl, though. Ho Hum!

A jolly get-together of Royce's ex-girl friends took place in Picciotto's room. Vassar-smitten Corby also ran.

George Smith brought two Schmipp's lassies to dinner, and quickly disappeared. What sort of spirit is that?

Saturday night debonair Don Stewart had his brother gritting his teeth on the side-lines, while he swept across the floor with the elder's date.

**Blacker Crisis**

Our hero of last week, Gus Soux, erstwhile possessor of the Toilet Seat is in a bind: he lost it! Pope Barron has decreed that three weeks will be allotted to replace the venerated article. To all reports, all nearby institutions enjoy black seats exclusively; a white one, symbol of purity, is absolutely essential. The only clue that Soux has is the vague report of several white ones in the employ of Scripps House Mothers.

**Better Left Unsaid Department.**

The after-the-game exchange twixt Ricketts and Orr came off tolerably well. Schroeder's girl was described by Dr. Willis as "having a profile like the inside of his room with the windows open." Chuck Walker, on the other hand, thought she was keen.

Al Cohen was singing again. Boicourt brought down June of Crestline—made an official member of Crud Alley. Stan was babbling incomprehensibly during the services.

Victor van Lint waved aside some well-meant offers of advice on How to Make Love. The proposal was to give his girl (who V. A. J. van L. describes as innocent) all the benefits of Rickett's vast store of knowledge. Victor expressed concern over the possibility she might not wish to pass on the word to him.

Still to us it's evident, Their intentions were well-meant.

Evident! Yes, well-meant! Ah, yes! Well-meant!

**Y Doings**

By Vern Edwards

This Sunday, as part of the Y Firesides program, Dr. and Mrs. Robert A. Millikan will entertain at their home some fifteen fortunate students; fortunate, that is, if they are quick enough to get their names on the sign-up lists which will be found in the four houses and Throop Club.

I understand that the dozen men who attended last Sunday's Fireside, given by Peter Kypopoulos, found it to be one of the best they had attended.

And while we are on the subject of the Firesides, I would like to mention that in setting up the Firesides program, it was our hope that through it the students would have an opportunity to get better acquainted with the members of the faculty on a congenial and definitely off-campus basis. The response of the faculty to the plan has been very encouraging, and we would like to see that as many students as possible avail themselves of this opportunity.

Plans for the coming Y finance drive are nearing completion. Harry Begg, '51, of Ricketts, and treasurer of the Y, has been working feverishly the past couple of weeks lining up men to head the various departments for the drive. The drive is set for the week beginning February 7, but I'll hold the rest of the details until next week.

**WHO DEALT THIS MESS**

(Continued from Page 2)

Now if you, as is normally done, duck the first lead, East will win with this honor and return a low Spade, dropping the Ace. Then West will later get in with the Heart Ace and run three Spade tricks, defeating the contract. Normally it is good play to duck the first lead but obviously not in this case.

If, however, you play the Ace, East is forced to discard his honor to avoid blocking the suit, thus promoting your ten to the rank of stopper. Now you may safely lead Hearts to set up the ninth trick. In the event that East does not discard his honor West must either lead to it, blocking the suit, or draw it, giving you an overtrick. Plays of this nature are practically guaranteed to produce considerable moaning from the opposition, a sweet sound to the ears of any Declarer.

**Dabney Keglers Advance to Tie Throop in IH**

Dabney pulled up to a second place tie with Throop by winning six out of eight games last Monday at the Pasadena Bowling Courts. The off-campus pin-toppers salvaging only three wins, sorely missed the strikes and spares of top bowler Ray Heggland who has discontinued play in the Interhouse League for the present.

Blacker had a disasterous afternoon with the loss of seven games, thereby dropping to within breathing distance of the cellar spot, as present occupant Fleming advanced with five wins, four of which were against Blacker. Ricketts maintained its top position in the league standings with successes in five games.

**'Hard-times Dance' Set for Ricketteers**

Hard times will be the keynote at the dance to be held Saturday night in Ricketts. This "hard-times" dance, although just a record dance, is expected to produce a large crowd.

Last weekend saw the Ricketts men and their dates enjoying the show at the "Blackouts". After this theater party, the Rowdies brought their dates back to the Ricketts lounge for a little dancing.

**STREAMERS DECORATE**

(Continued from Page 1)

out in person by the Flemingites to desirable local women, inviting them to the dance. The number of cards returned through the mails already assures a female crop of much greater number and quality than that usually ploughed up at an exchange.

**WHEN YOU ARE HUNGRY  
WHEN YOU ARE THIRSTY  
OR  
WHEN YOU JUST  
NEED RELAXATION  
IT'S THE  
SKIP INN  
Beer - Plate Lunches  
1352 E. WALNUT  
Open Till 2 A.M.**

*Voget & Cathey*  
**MEN'S CLOTHING  
FURNISHINGS**  
Fridays till 9:30 p.m.  
459 East Colorado Street  
Sy. 2-3871 - Pasadena 1

**Ice Skating**  
Daily 2:30 to 5, 7:45 to 10:45  
Sat. & Sun. Morn. 10 to 12:30  
Skates for Rent  
Instructions  
**Pasadena Winter  
Gardens**  
171 South Arroyo Pkwy.  
SY. 2-7151 RY. 1-6066

**JOHN'S  
BICYCLE SHOP**  
SINCE 1909  
• BICYCLES  
• TENNIS  
• BADMINTON  
42 North Fair Oaks Ave.  
Pasadena  
Telephone SYcamore 2-4767

**Oak Knoll  
Cleaners**

**THREE  
DAY  
Cleaning  
Service**

**FOUR-DAY  
LAUNDRY**

Rain or shine we're  
**ALWAYS on time.**

Special Features  
Peraseptic, cleaning,  
mothproofing service,  
tailoring and repair-  
ing.

Pressing While You Wait

"Service With a Smile"

902 East California Street  
(4 Doors East of Lake)

SY. 3-6704

**A** *Always* **B** *Buy* **C** **CHESTERFIELD**

**"I always smoke  
Chesterfields because they're  
MILD and they taste good  
It's MY cigarette."**

*Dana Andrews*  
STARRING IN THE ENTERPRISE PRODUCTION  
**"NO MINOR VICES"**

**"I like a cigarette the way Chesterfield  
makes 'em. They're Milder...that's why  
it's My cigarette."**

*Stan Musial*  
VOTED THE MOST VALUABLE PLAYER  
IN THE NATIONAL LEAGUE

**MAKE YOURS THE Milder CIGARETTE** MORE COLLEGE STUDENTS SMOKE CHESTERFIELDS  
THAN ANY OTHER CIGARETTE - BY LATEST NATIONAL SURVEY