

## Variance Upheld; Millikan To Rise McGeorge Bundy Talk Cancelled Techmen Represent Kenya At Model UN

BY DAVE CLOSE

Pasadena's Board of City Directors on April 6 denied an appeal from the zoning variance which permits the construction of Millikan Library. "The target date for start of construction is June 1," stated Wesley Hertenstein, Director of Physical Plant.

The variance was necessary for Caltech to construct the ten-story library, since the Institute is located in a R-3 residential zone in which the legal height limit for buildings is 36 feet. Under Pasadena's Zoning Code, the Board may permit exceptions to the limit if the proposed building does not violate the intent of the Code, does not harm the public welfare, does not impair the use or value of surrounding property, and is necessary for the use and enjoyment by the owner of the property on which it is to be built.

### Decision Appealed

On February 11 the Pasadena Zoning Committee approved a variance for the library by a 3-0 vote. Within the five days required, the San Pasqual Protective Association filed notice to appeal the decision. Public hearing on the appeal was conducted by the Board of City Directors March 30. After the hearing, the issue was taken under advisement by the Board; the Board's deci-

sion was made public Tuesday, April 6.

At the hearing Mr. John Morrow, president of the association, stated that the variance would violate the intent of the code by permitting high-rise in residential areas, would harm the public welfare by setting the precedent of such high-rise construction, would harm the beauty of the neighborhood, and was not necessary for Caltech to build a useful library. He introduced the **Tech** editorial of February 18, which favored alternative placement and design, as evidence of student opinion and of other ways Caltech could use its property. The association had collected 242 signatures supporting their position.

### Beautiful Addition

In defense of Millikan, Mr. Hertenstein showed large drawings of the library and brought in the large campus model currently displayed in Throop. Then Dr. DuBridge spoke and called the building a beautiful addition to the cultural life of Pasadena. The architect, Mr. Flewelling, said that seven actual models had been built. These included a low building which reached from Crellin to Bridge, which was discarded because it impaired East-West access; a building on stilts; and several with more than one basement, discarded as impractical. The final design represented a compromise; expensive height replaced ground area. Thus one might still have an unimpeded view from Wilson to Throop.

Dr. Rodman Paul, chairman of the faculty committee on the Library, stated that the new building was necessary because Caltech was now short of space and the book stock was expected to double in 12-14 years.

According to Dean Eaton, the library was the first building to be started under the current development drive. Dr. Seeley Mudd, now a Caltech Trustee, offered the money on the condition that it be a memorial to Dr. Millikan.

The McGeorge Bundy lecture which was scheduled for Tuesday, April 20, in Beckman Auditorium, has been cancelled. Dr. DuBridge stated that he spoke by telephone with Bundy in the White House Tuesday afternoon. Bundy explained that he had "orders to remain in Washington for a series of conferences during the next week."

He extended "sincere apology and regrets;" he had wanted to come to Caltech, but by presidential order must remain in Washington. According to Mr. Willis of the Beckman ticket office, no substitute speaker is available.

BY MEO

Twelve bright-eyed, bushy-tailed Teckers took Wednesday, Thursday, and Friday off last week to attend the Fifteenth Annual Western Model United Nations at the Claremont Colleges in Pomona. Two foreign nationals, Ezra Mugambe of Uganda and Tom Greenfield of Rhodesia, lent an African flavor to the supposed delegation from Kenya, and the chairmanship of Fred Lamb efficiently provided for a smooth stay on the campus and at the Empire Motel.

Success crowned the efforts of the men from CIT in the form of two resolutions, one co-sponsored by Kenya, getting past the General Assembly on Saturday.

Those two resolutions were the only ones to pass the G.A. this year, due to an excessive amount of squabbling over Russia's and France's failure to pay their dues.

### Social Success

The MUN was something of a social event, too. All the other delegations were of a composition similar to Caltech's, with about one-fifth of their students coming from abroad. Greenfield nearly staged a reunion in the Afro-Asian caucus, and this reporter got the lowdown on the Israeli war of independence from an Egyptian who reminded him that the Jews had leaders trained in the best military academies of the world.

On Friday evening a tremendous hall was held down at Disneyland following an address which put nearly everyone present to sleep. Len Ericksen, Rich Flammang, Ed Bauer, Jay Pearlman, and Tom Greenfield paired off at the ball, and could be seen later tucking Mike Meo into bed, but the rest changed their weight from one foot to the other all evening.

The so-called Kenyans threw a party Thursday night, and invited the Indian delegation. The Malaysians were miffed at not being invited, but they still supported us in some of the votes in

(Continued on page 3)

## Admissions Committee Choses '69

In 13 hours of meetings last Wednesday and Thursday, the Freshman Admissions Committee selected next year's frosh class, sending out the offers of admissions on Friday. Including 17 early-decision applicants who were notified last December, the Institute has offered the status of Techman to 298 eager high-school seniors.

The selection process was essentially the same as last year's, that is, a departure from previous years, with no predicted GPA and no rank list based on that number. One difference from previous years is that the Committee tried to pick a larger fraction of applicants who they thought (on the basis of reports by personal interviewers) would actually accept an offer of admission; thus the total figure of 298 is somewhat less than in the past.

### Class of '69

The size of the class upon registration, as always, is expected to be about 200. A closer estimate can be made after the scholarships are awarded, in a meeting that was planned for yesterday.

Elisabeth Schwarzkopf, originally scheduled to give a concert in Beckman Auditorium next Wednesday, has turned sick at the thought of facing an audience of Techmen and has cancelled her appearance. Outraged ticket-holders can do nought but apply to the Beckman Ticket Office for a refund.



Caltech delegates representing Kenya at MUN. From left to right: Tom Greenfield, Mike Meo, Fred Lamb, and Jerry Yudelson.

## Steam Tunnels Take Gas

BY JUAN LARGO

Are you tired of sloshing through the rain? Do you get bored easily at the ASCIT exchanges? Try something new... something different... try the steam tunnels!

In view of the past two weeks of drenching rains the **Tech** staff considers it their duty to provide Random Q. Toll with some fundamental knowledge of this ancient Caltech refuge for blind moles.

### The Mole Knows

A few years ago the steam tunnels were considered as a possible bomb shelter. However, air leakage and possible collapse would make the tunnels extremely hazardous. The geology building was suggested as an alternative, since it is also earthquake-proof (according to the geology department).

The original purpose of the steam tunnels was to serve as a relay for power and telephone

lines, hot water, steam, and compressed air between the various buildings on campus. Fortunately for many Techmen and B&G workers, there are no natural gas lines in the tunnels; all of it comes from the connections under the streets. All of the steam, water, and air originates at the central heating plant and is sent through the tunnels to the entire campus. The condensed steam is also piped back to the central plant where the cycle begins anew.

### Random Growth

The first steam tunnel on campus was built some time around 1918, under the present location of Spalding. This tunnel was built from the "old" heating plant and was used to serve Throop and Gates. The old Gates tunnel has been since blocked off and abandoned. The really big drive for steam tunnels came around 1929-1930 when the Athenaeum was being built, since the Athenaeum was a long way from the main

part of campus. Other steam tunnels were then built to Arms, Mudd, Dabney, Crellin, and Kerckhoff.

Recently, new tunnels have been constructed which lead under San Pasqual to Keck, B&G, Beckman, and the Grad Houses. The most recent tunnel is still blocked off, and leads to the site of the new chem-physics building.

### Air Conditioned?

As yet no chilled water flows through the steam tunnels; however plans are now being made for a new central heating and refrigerating plant. This plant would be placed on Wilson, south of California Blvd. On the other hand, it is not very probable that the chilled water pipes will be placed in the steam tunnels, since such pipes would be virtually maintenance-free. Therefore, the tunnels will continue to be hot.

There are also plans to put a demineralizer in the new plant.

(Continued on page 2)

## Notices

### Y FILM TOMORROW

The double bill is "When Worlds Collide" and "The Quiet One."

### YOUNG REPUBLICANS

will hold their annual meeting tonight at 7:30 in Clubroom 1.

### GET SHECKLES

ASCIT money is going fast. Only one more week to sign up for your piece. Requests must be submitted to Eric Young in 103 Ruddle by April 19.

### STUDENT ART EXHIBIT

will be held during the first week in May. Paintings or photographs should be submitted to Jesse Grodnik in Lloyd or Ed Robertson in Blacker.

### TOPOGRAPHIC MAPS

40% off (18c each) for standard topo maps, anywhere in US if we get up a \$60 order to USGS. See George Tucker or Kim Gleason of Dabney to place order.

### CHORAL FESTIVAL AT TECH

On April 24, 11 of the best choruses and glee clubs from the southern California area will present a festival concert in Beckman. Tickets are available at the Beckman ticket office: \$1.50 reserved section; \$1.25 general admission; and \$1.00 for students.

### POETRY

The next Y Leader of America, John Ciardi, is considering a session in which he criticizes student poetry. Although this session is tentative, anyone interested should prepare his poetry for submission.

### VARSITY MEASUREMENTS TODAY

If you are competing in a varsity spring sport, or if you have already lettered in varsity basketball, soccer, or wrestling, be at the Lloyd House Conference Room, TONIGHT at 7 p.m. to be measured for your sweater or jacket.

Editorials

# What Makes Teckers Run?

Last month when the BOC was swamped by 45 applicants for its two appointive positions we thought that Teckers had finally shaken off their traditional apathy. However, the wheel has now swung full circle — as of Monday night only seven persons had applied for the 21 ASCIT appointive offices. Frankly, we are amazed that so few people want to hold such lucrative positions as **Big T** Editor and Business Manager, **little t** Editor, Darkroom Chairman, Election Committee Chairman, Educational Policies Committeeman, Student Day Chairman, Yell Leader, and Assembly Committee Chairman.

There's a place here for everyone — the offices are appointive, so you needn't be well known (you needn't even use deodorant); some of them entail a lot of work, others none at all; and even though you seldom hear about their work, it is important. These are the quiet, effective jobs that keep Tech from being a complete crock.

More than likely you were cussing some aspect of life at Tech during last night's bull session. Here's the chance to put your money where your mouth is. Don't say you haven't got the time: the present officers are proving Parkinson's Law daily. Don't say you're incompetent: incompetency has never stopped us. Don't say you're inexperienced: the best part about these jobs is that you gain experience as you go along. Besides, just think about all that graft, corruption, power and glory. There's another reason you should apply — the fewer applicants there are, the lower will be the quality of the officers we'll have. And this then affects the entire student body. In the face of all these bitchin advantages, there's just no reason why there shouldn't be 500 applicants.

To take advantage of this unique opportunity to serve your school while you're serving yourself, talk to one of the incumbents; find out what the job entails; then submit your application to Fred Lamb; 204 Ruddock, by noon Monday. We did.

—Berry  
Greenfeld  
Hendrickson

# Band Concert To Feature Guest Conductor, Soloists

An evening of musical ecstasy is offered to all who seek refuge from the daily toils of Tech existence in the form of the Caltech Band's annual Spring Concert. What's more, this night of gaiety comes free of charge to all Cal-

tech undergrads! The concert, which will be held in Beckman Auditorium May 2 at 8 p.m., can be heard by simply approaching your closest friendly local band member for a ticket.

Carmen Dragon, academy-award winning orchestra leader, will be guest conductor of the 55-piece Caltech Band. Other highlights of the program will be performances by two guest soloists: clarinetist Albert Klinger, who is soloist with the Los Angeles City Band and a television musician, and John Johnson, tuba player with the Los Angeles Philharmonic and Pasadena Symphony Orchestras.

Guest conductor Dragon is a distinguished musician who has directed many of the world's leading orchestras in concert halls, on television and radio, and in motion pictures. He has recorded 33 albums. At present he is conductor of the Glendale Symphony Orchestra.

During the program, Caltech band director John Deichmann will present the Hunter Mead memorial trophy to a member of the band who has displayed outstanding musicianship, interest and loyalty. This is the first year of the award, named for the late Caltech professor of philosophy who did much to advance interest in music at Caltech.

General admission is \$1 for adults, 50c for non-ASCIT students and children.

## The Underworld

(Continued from page 1)

This would be the first step toward supplying the whole campus with distilled water.

Another interesting feature of the tunnels is the electric-transfer system in the tunnels. The bulk of electric power used on campus comes from Thomas. However, the cables lead to Throop, where the main switching station is located. From here, the power branches out to the entire campus at 2300 volts.

### Here to Stay

There is very little chance that the tunnels will ever be abandoned. This is mainly due to the easy maintenance and utility which the tunnels make available. Considerable money, time, and trouble are saved since no digging is ever required to reach the source of any potential cause of trouble.

The tunnels are generally pretty safe; the main danger is the chance of a steam or hot water pipe bursting. This is not the only thing that can go wrong. A recent fault in an electric cable caused extensive arcing and a fire in the tunnel under Sloan.



## "HAMLET"

BY SVEN ANDERSON  
& HANAN ROSENTHAL

It's not often that a Caltech see Shakespeare performed on the stage. Nor is it often that the "Man from Uncle" fan can see his hero in person. But hark! The renowned Pasadena Playhouse now (and until April 24) offers us a unique chance by staging "Hamlet, Prince of Denmark" with Robert Vaughn in the title role.

Any doubts one may have about Mr. Vaughn's serious acting ability are soon quelled: he is good. His renditions of the soliloquies are very moving, with the possible exception of the one beginning "To be or not to be," which seems a little too nanchalant.

### Other Characters

In contrast, Hamlet's uncle, Claudius, is sadly lacking in color and emotion. Both the interpretation and acting are poor. As a consequence, there is a loss of seriousness and tragedy that results in the seeming overemphasis of the comic elements, which are well performed.

Of the other characters Ophelia is the most outstanding. The Queen is weak in the beginning but is redeemed by her performance in the bedroom and death scenes. Horatio is well acted, but Laertes is amateurish.

Scenes worth noting for both staging and acting include the Hamlet-Ophelia dialogue where the natural and forceful confrontation of the two actors directly involves the audience. The play-within-a-play scene has especially good staging. Both the grave scene and the final death scene should also be mentioned, though the King's indifference in the latter is rather irritating.

Though the performance lacks the colorful atmosphere of an Elizabethan drama it is nonetheless worth seeing. The less expensive but acoustically adequate balcony seats are recommended.

## "DUTCHMAN," "THE T — — —"

BY BEN SALTZER

Go see "Dutchman" and "The Toilet," two one-acts by le roi (no caps) Jones, an angry poet turned playwright. It will undoubtedly be a difficult experience, but just as surely will be well worth the trouble in every way.

What trouble? You'll have to

select your date with exceptional care, and may have to explain to her the sort of language used by tough high school men in the men's john of a really tough high school. You will have to bear the anguish of purely racial insults and obscenely violent actions, and tune with Kenyan national in-may carry these lumps of theater away with you for hard digestion later. And if, after deliberation, you find for slavedriver Jones and against his many harsh critics, you may be challenged to defend your point of view.

All of this is because le roi Jones talks dirty and spews hate. (Even his critics agree that he manages these with a poet's ear for language and a dramatist's knowledge of men.)

"Dutchman" is exciting on the first level and meaningful on the second. A young, middle class Negro on the subway (very well played by Al Freeman, Jr.) gets toyed with, promisorily seduced, and then goaded to rage by a sexy, apple-munching white broad named Lula (tightly slithered by Shirley Knight). After the man finishes defining his position and that of his white co-passengers ("Don't do me no favors, white man.") the white team goes into action. Lula stabs and kills him and scrawls some notes while the others dump him. She grabs a new apple just as a young, middle class Negro enters the train.

### Filth

From the pace-changing action and venomous speech emerge patterns of hate. At first the white and black teams wordlessly tolerate each other's existence. But intimate interaction (physical intimacy on the first level) rubs away the veneer of restraint. The minority loudly and reasonedly hates; the majority silently and pointedly kills the issue.

In "The Toilet" Jones shows dramatically that a man among men must lie to some extent. He chooses the extreme case of Foots, privately an honor student and a sensitive homosexual, but publicly a member of a tough gang. His two worlds are forced to meet when a letter from Carolis, another homosexual, is intercepted by Foots' friends. At a meeting in the toilet Carolis is crippledly beaten first by the hoods and then by Foots. The pack leaves him swirled and unconscious. Foots sneaks back to cradle his

(Continued on page 6)

# Learn Politics From the Inside

A chance to gain first-hand experience into the inside operation of political parties is currently being offered by the National Center for Education in Politics, a non-profit educational organization. Eight NCEP summer internships, paying \$50 per week and lasting for ten weeks, are available this year for interested college students. Those accepted will be assigned to work with some branch of the Democratic or Republican state organization. For applications and further information, contact Professor Robert Woodbury, in 14 Dabney.

# FLICK GUIDE

<b>ACADEMY</b> 1003 E. Colorado Friday and Saturday: It's a Mad etc. World — 12:45, 3:45, 6:45, 9:45.	796-3191
<b>COLORADO</b> 2586 E. Colorado Friday and Saturday: Send Me No Flowers — 1:00, 5:00, 9:00. Father Goose — 3:00, 7:30, 10:45.	796-9704
<b>CROWN</b> 129 N. Raymond Friday and Saturday: Beach Blanket Bingo — 12:42, 4:03, 7:24, 10:50. The Rounders — 2:26, 5:42, 9:08.	796-3131
<b>ESQUIRE</b> 2670 E. Colorado Friday: Umbrellas of Cherbourg — 6:30, 8:15, 10:15. Saturday: Extra matinees at 2:30, 4:30.	793-6149
<b>STATE</b> 770 E. Colorado Friday and Saturday: Mary Poppins — 12:00, 2:30, 5:00, 7:30, 10:00.	792-7139
<b>UNITED ARTISTS</b> 606 E. Colorado Major Dundee — (no schedule available before press time; to be shown with Random Other Feature).	793-6139
<b>UPTOWN</b> 2316 E. Colorado Friday and Saturday: A Hard Day's Night — 1:00, 4:00. Ferry Across the Merse — 2:30. Marriage Italian Style — 7:00, 10:30. That Man from Rio — 8:45.	793-4330

# California Tech

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# Red China Likes Engineers

Curious about the role of science in Red China? A group of Tech students were curious enough to forsake their books Sunday night and attend a discussion with Dr. Geoffrey Oldham on the topic at Mr. Robert Woodbury's home here in Pasadena.

Oldham is a geophysicist by profession, but is presently living in Hong Kong and has had the chance to visit most of the Asian countries and get first-hand information about the role of science there. When an opportunity to visit Red China appeared, Oldham, who is a British subject and not restricted from travel in Red China, took the trip.

### Extended Vacation

The original trip was scheduled for two weeks, with visits to three cities, but Oldham managed to extend this period to a month and

visited several cities other than those scheduled. During his tour, he was able to see several universities and research institutes as well as communes, the Great Wall, and other tourist attractions.

According to Oldham, science is regarded by the Chinese as "before liberation" and "after liberation." When the Communists took control in 1949, the masses were still in a feudal system. The Communists had to educate the people in communism and make them realize that they were now working "to make China great."

### And the Truth . . .

One of the first steps in strengthening China was through education. Technicians were badly needed; thus training technicians was stressed. Scientists were

also trained, although more slowly, but scientists unfortunately tend to believe in science for the sake of science. The communist viewpoint in China is that science must come under politics. Thus many of the scientists, especially those returning from overseas, had to be "remodeled" in thought. Even now, scientists are required to spend a certain number of hours a week studying the works of Mao Tse-Tung.

As a result of this outlook, most of the work done in Red China is applied or has immediate practical applications. However, this does not prevent the Chinese scientist from doing abstract work, he must merely think of practical excuses to please the politicians.

### Sino-Soviet Feud

At the moment, the largest problems of the Chinese scientists are the poverty of the country and the withdrawal of Russian scientific instruments and aid. Oldham noticed that most of the present work is being done in instrumentation, giving an indication of the extent that the lack of Russian equipment has hurt the Chinese. Still, with these severe limitations, the Chinese

(Continued on page 4)

# "California Tech" Comes Out of Ears

BY WALLY OLIVER

Last week I outlined the general procedure on how the California Tech is produced through the "Monday night madhouse" technique. Tuesday night is slightly less active in the Tech office, but can still produce many headaches for the editors.

Promptly after dinner on Tuesday one of the editors goes to Bickley's, which is located near that crossroads of the world — Colorado and Fair Oaks. Here, after admiring the local sights, he picks up the proofs of the copy that was sent in on Monday night.

At the office these proofs must be read and corrected, keeping in mind at all times the points of Tech style. An example of style is the way Caltech is written; it should NOT be written Cal. Tech. The Tech uses 9 p.m. instead of 9 P. M. or 9:00 p.m.

### Snakes Strike Again

New copy also comes in on Tuesday night. Usually this is limited to copy that could not be written on Monday — that is stories about events that happened on Monday or Tuesday.

Of course there are always exceptions to this — one of them is this article which was written on Tuesday night because the author was too lazy to do it Monday, with a P Chem lab write-up

to finish and an Econ test to study for.

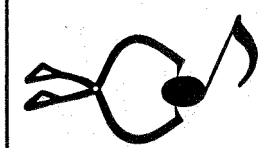
The editor's nightmare comes when a story promised for Tuesday does not come in. An example of this occurred last term when Maslow became sick and cancelled his Leader of America visit. As of Tuesday night nobody knew whether he would appear, therefore the editor had to speculate on ten inches of copy whether or not Maslow would appear on campus.

### Editorial Irresponsibility

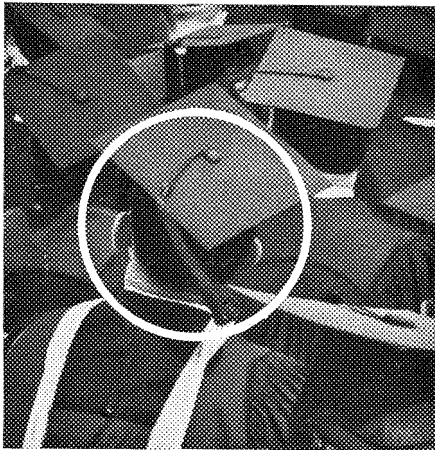
The editor who is not responsible for the paper in any week writes the editorial. Usually the subject of the editorial has been thought about for a few days or even weeks, but once in a while it is Tuesday night before the subject is decided on. Contrary to popular opinion the editorials are the product of much thought and research.

Sometime late, late at night all the copy has arrived and has been copyread and the new headlines written. Many a time the editor has taken the corrected copy and new copy back to Bickley's between 3 to 4 a.m. It is always fun to count the number of Pasadena fuzz patrolling Colorado at 3 in the morning. It approaches zeno rapidly after 9 p.m.

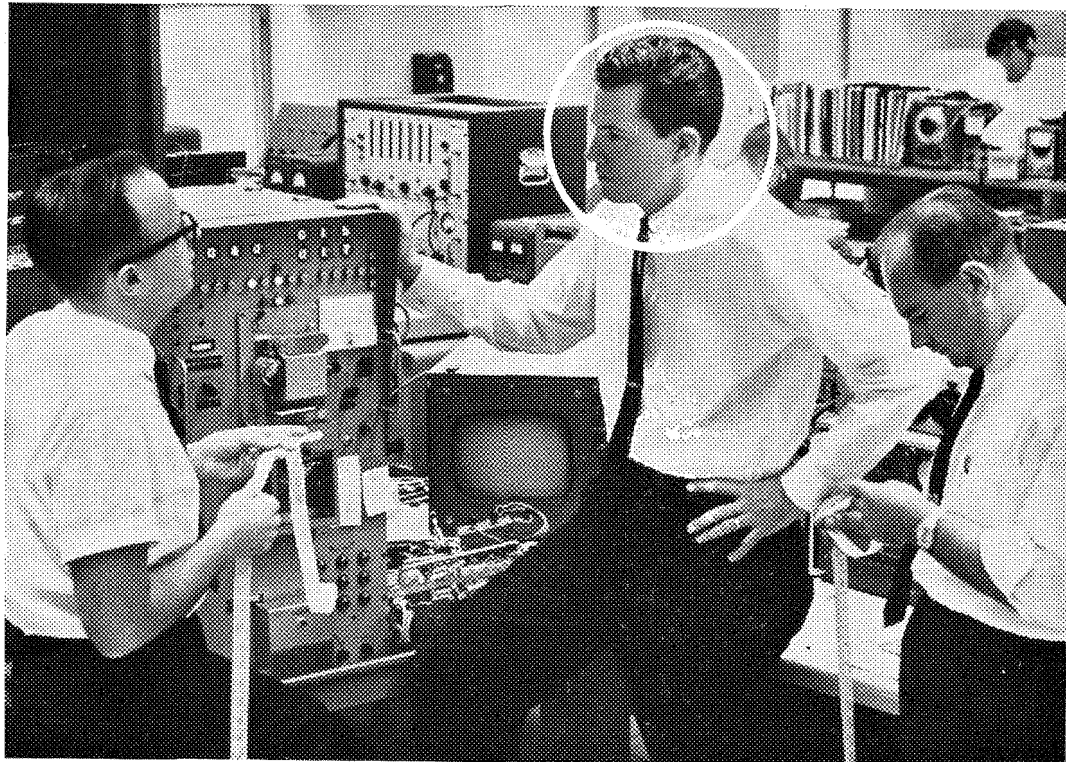
(Continued next week  
with Wednesday's fung)



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John Lauritzen wanted further knowledge



He's finding it at Western Electric

When the University of Nevada awarded John Lauritzen his B.S.E.E. in 1961, it was only the first big step in the learning program he envisions for himself. This led him to Western Electric. For WE agrees that ever-increasing knowledge is essential to the development of its engineers—and is helping John in furthering his education.

John attended one of Western Electric's three Graduate Engineering Training Centers and graduated with honors. Now, through the Company-paid Tuition Refund Plan, John is working toward his Master's in Industrial Management at Brooklyn Polytechnic Institute. He is currently a planning engineer developing test equipment for the Bell

System's revolutionary electronic telephone switching system.

If you set the highest standards for yourself, both educationally and professionally, we should talk. Western Electric's vast communications job as manufacturing unit of the Bell System provides many opportunities for fast-moving careers for electrical, mechanical and industrial engineers, as well as for physical science, liberal arts and business majors. Get your copy of the Western Electric Career Opportunities booklet from your Placement Officer. And be sure to arrange for an interview when the Bell System recruiting team visits your campus.

## Techmen Represent

(Continued from page 1)

the committees. The motel management wouldn't open the door connecting two of our rooms, but they nearly burst a blood vessel when the men in Jerry Yudel-son's room didn't put the mattresses back on the springboxes. Ach, but the motel wasn't too swinging, folks. Four men were put in a room with two double beds.

### More MUN

The Model United Nations consists of meeting in caucuses, then in committees, and finally in plenary sessions. The various blocs (such as Afro-Asian, NATO, and Warsaw Pact countries) congregate in the caucuses, where they try to unify their collective policies on the issues before the committees. Many observers at MUN have noticed that bloc voting is overly stressed, and indeed many appeals were made to the nonexistent "spirit of Afro-Asian unity," both in the caucus and the committee meetings.

Committees are generally composed of delegates from all of the member nations, and they consider and vote on resolutions on such topics as the preservation of the national resources of the underdeveloped nations. The sessions are long, hot, and full of "objection!" and "point of order!" After a while it becomes much more interesting to watch the

legs revealed by today's high hemlines and their wearers' squirmings. Concentration becomes more difficult, but you don't get bored. The real United Nations committees, which are probably attended almost entirely by men, don't know what they're missing.

### No Quorum

A serious problem, if there arose a serious division of opinion, was raising a quorum in the committee. A typical vote in Bauer's and Flammang's committee, which was deciding whether or not to oust Russia and France, was 50 "aye", 3 "nay", and 52 abstentions. Over 56, more than half the member nations, must vote either yes or no on a resolution for a quorum to be considered present, but on any controversial issue so many people abstained that a quorum was almost never raised. Australia once sent Bauer a note in his committee, "Kenya, do us a favor as a fellow member of the Commonwealth. Vote 'no' on this resolution."

After caucuses and committees are over comes the General Assembly, otherwise known as the plenary session. This is even more boring than the committee meetings, with an infinite series of points of order. Lots of time is taken up with addresses by distinguished guests, and speeches by the delegates are prepared, therefore more formal than those in committee. A final factor was the chairman, who got confused more than once in the intricate maneuverings. He was continually reversing decisions and thanking delegates who corrected his rulings, so myriads of poly sci majors were anxious to deliver lectures on the rules.

### Inefficient Organization

Only two resolutions got through the gamut of caucus, committee meetings, and General Assembly. Kenya voted for both of them and co-sponsored one of them. The one it co-sponsored

(Continued on page 6)

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# SPORTS

## Varsity Baseball Team Shows Strength

The Caltech baseball team played its best game last Wednesday, April 7, in a losing cause against Whittier. The Poets, along with Redlands, are the favorites for the SCIAC conference title, and against their best pitcher the Beavers made a very respectable showing.

Diebel pitched an excellent game for Caltech, befuddling the Whittier hitters and allowing only 3 hits. He allowed only three earned runs. The final score was 6-2 in favor of a team that had previously beaten Pomona 20-0.

### Less Errors

The fielding in general was excellent. Diebel picked a man off first in the sixth inning. In the ninth a crisp double play was turned in by Phil Paine, Dick Landy, and Lee Myers.

Unfortunately Jones, the Whittier pitcher, was in his usual fine form and allowed only three hits and two runs. One of the runs came on a perfectly executed squeeze bunt by Eastment. To indicate how close the game was, the score was 2-1 until the seventh inning.

## Frosh Season Finally Starts

After n cancelled games, the frosh finally opened their baseball season last Wednesday against Whittier. The fact that this was the team's first competition was obvious as the team committed 11 error, losing 6-0. The team was held hitless until the sixth inning, when Chapyak singled to left. Moretti and Ma also collected hits. A second game against Whittier on Saturday was cancelled due to the rain.

Although losing 6-4, the team looked a lot better against Claremont-Harvey Mudd on Tuesday. The Stags opened up with 2 runs in the first inning, followed by 2 more in the fourth and the sixth.

The Beavers got one back in the first on a base hit by Chapyak, a sacrifice by Hammons, and an error. The frosh then tied it up in the fourth, getting three runs on three hits.

Another game against C-HM is scheduled for Saturday. The hope of the frosh lies in John Frazzini, whose pitching has been much better than is indicated by the scores.

## Coolie Scientists

(Continued from page 3)

are engaged in some top-level work, especially in the field of physics.

In Oldham's estimate, by and large, science in China is what is needed by a developing nation: a practical and applied program to raise China to the level of the modern world.

## Styles of Play Vary In Basketball Games

The race for first place was narrowed down to three teams last week as the Interhouse basketball season reached the half-way point. Ricketts, Blacker, and Fleming are still undefeated, but Ricketts has not faced the top three teams yet.

Fleming made very impressive showings against Page and Ruddock last week. The keys to the Fleming success have been a seemingly impenetrable zone defense, with Vitz and Wright too quick for most teams, and an offense that relies heavily on offensive rebounds.

The Flems are endowed with two giants that gave the opposition only one shot. Their favorite play on offense has been the feed to Tedder followed by his short jump shot.

Blacker seems to be more erratic than Fleming, but excels the Fleming team in outside shooting ability; Aschbacher frequently shoots and connects, from twenty feet away. Fleming will have to find a way to stop him tomorrow afternoon.

Blacker uses a man-on-man defense; this speeds up their games and causes them to be higher scoring than the Fleming games.

Ricketts has already won three games, but the victories have been over the three weakest teams — Ruddock, Dabney, and Lloyd. They should challenge Page for third place, but they seem to be outclassed by both Fleming and Blacker.

Page lost to powerhouses Fleming and Blacker and only beat Ruddock by eight points Tuesday. Page's offense has trouble against a zone defense when Trjonis and Jubin are off. Their defense is reasonable solid — a zone defense with three good rebounders near the basket.

There should be a good battle for fifth, sixth, and seventh places. Ruddock has lost four games already, but has not played either Dabney or Lloyd. After the good showing against Page, coupled with Dabney's 25-point defeat at the hands of Blacker and Dabney's close win over Lloyd, Ruddock appears to be the best of the three teams.

Ruddock employs both a man-on-man and zone defense, depending on the opponent, and relies on outside shooting on offense. Lack of height has crippled the men from Ruddock all season.

Dabney's basketball team is a mystery. The team is composed of adequate personnel, but the team's showings thus far have been very unimpressive. Zeller is the team's best shooter.

Lloyd has its last chance this afternoon to win a game against Ruddock. This game will be a game of midgets, as Lloyd has the same problem as their opponent — short players. To compensate for this, the Lloyd players pass the ball around trying to set themselves up for short jump shots from the edge of the key.

### TOP SCORERS

Name	House	G	FG	FT-A	Pts.	Avg.
Potter	Ri	3	21	4-6	46	15.3
Aschbacher	Bl	3	17	6-11	40	13.3
Tedder	F	2	18	2-3	38	19.0
Dillehay	Ri	3	17	4-9	38	12.7
Barbosa	Ru	4	14	10-22	38	9.5
Tyler	Bl	3	18	1-4	37	12.3
Zeller	D	3	17	2-7	36	12.0
Jubin	P	3	14	6-16	34	11.3
Thacker	Ru	4	14	6-13	34	8.5
Carlson	Ri	3	14	5-12	33	11.0
Scott	D	3	13	3-19	29	9.7
Josephson	Bl	3	9	5-6	23	7.7
Hall	Li	2	10	2-4	22	11.0
Ratner	Ri	3	10	0-3	29	6.7
Goodmanson	P	3	9	2-5	20	6.7

### RESULTS

- Blacker 49, Page 40
- Dabney 38, Lloyd 34
- Blacker 54, Ruddock 35
- Fleming 50, Ruddock 26
- Ricketts 50, Ruddock 34
- Fleming 41, Page 30
- Ricketts 50, Dabney 40
- Blacker 54, Dabney 29
- Ricketts 54, Lloyd 32
- Page 40, Ruddock 32

### STANDINGS

Team	Won	Lost
Blacker	3	0
Ricketts	3	0
Fleming	2	0
Page	1	2
Dabney	1	2
Lloyd	0	2
Ruddock	0	4

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# Fame Reaches CIT Basketball Player

It is not often that Caltech sports come into the national limelight. In the past we have had a nationally ranked javelin thrower in Phil Conley, and our glorious football team has become famous through an article in a widely circulating magazine. But these occurrences are few and far between.

This year we are fortunate to have an athlete among us, who has gotten the recognition few men achieve. He is none other than basketball player Don Blair. He led the team all year in number of fouls, and by the end of the season he had become No. 2

in the NCAA college division ratings.

In 22 games Blair collected 96 fouls for a fantastic 4.36 fouls per game average. But despite this valiant effort, and the fact that he fouled out of almost every game, he still fell short of the national championship. His average was only .08 behind the leader, and only two more fouls would have brought him true immortality. But don't fret, Blair has two more years left in which he can rise to the top. Let us give him our heartfelt congratulations for his achievement.

# Tennis Team Loses To Oxy

The varsity tennis squad braved wind, rain, and cold to battle Oxy last Saturday, but the loss of number three man Don Green and the long layoff for the Caltech men was too much against the strong Oxy squad.

Congratulations are in order for John Hoshor, new first singles player, who downed Oxy's Bill Yeomans 6-3, 3-6, 6-2 and to Butch Niell in second spot, who won

6-4, 6-2.

The Tigers captured the third, fourth, fifth, and sixth singles against Ellis, Pressing, Buckholtz and Rose. The first doubles match was called after Hoshor and Niell had split sets with their opponents. By the end of their second set, the Oxy team had won the second and third doubles, clinching the match, and the weather convinced all to call it a day.



Randy Cook and Dee Payne slowly sail over the horizon in the Berkeley Regata. They are going to Hawaii in search of nice weather.

# Sailors Sink Into S.F. Bay

Undaunted by driving rain, the Caltech Sailing Team sloshed up to the Berkeley Invitational Regatta last weekend. Thanks to a last minute entry by U.C. Santa Barbara, Tech finished next to last. The racing in this regatta was done in Lido 14's, a boat which Tech sails only once a year. Consequently, the team suffered from a lack of practice and committed numerous errors. The most obvious error occurred in the first race, when Don Radcliffe and Dave Hammond capsized. Since Hammond was in on both of Tech's capsizings this year, he spent the rest of the day on the dock trying to seduce part of the Santa Barbara team, while Jim Brooks replaced him in A division.

In the first B division race Randy Cook and Dee Payne got Tech off to a good start by finishing second. Radcliffe and Brooks repeated the performance in the second A race and then took a third and a second in the next two A races. Cook and Payne, however, didn't do so well, failing to finish one race and finishing near last in the other two. This finished the racing Saturday.

The first race Sunday was the funniest one. At the beginning of the race the wind was very light and shifty and Tech, after taking several bad tacks, found itself in last place after the first windward leg. By the middle of the second windward leg the wind had come up and Tech had moved up to fourth place. On the following leeward leg Long Beach slowly moved up to a tie for fourth. Meanwhile Santa Barbara, which had been in third place, got caught on the leeward mark. Just as they were getting free, Tech and Long Beach arrived at the mark together. In the resulting confusion, Tech and Long Beach collided. Shortly thereafter, Long Beach collided with Stanford, which was in last place. After a two hour meeting, the Protest Committee disqualified Santa Barbara, Tech, and Stanford.

That was a hard act to follow, but Cook did his best. He forgot which side of the boat was starboard, jibed over to port tack, claimed right-of-way for being on starboard tack, and got rammed by Long Beach, which really was on starboard tack. Cook voluntarily withdrew from the race, rather than draw a penalty point for being disqualified.

In the next race the winds became much stronger and Tech came in last, handicapped by a crew about 30 pounds lighter than necessary. The winds really came up before the next race and Cook and Payne, who would rather be yellow than dead, refused to get in the boat. After a five minute argument they were kicked into the boat and away from the dock. They got about 50 out, shipped several gallons of water, turned around and came back to shore. They watched the race from the relative comfort of the Berkeley Y. C. clubhouse.

Tech's next regatta will be the West Coast eliminations for the national championship, held in San Diego May 8 and 9.

# Ford Motor Company is:

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Carl Marcucci  
B.S.M.E., Wayne State Univ.  
M.S.M.E., Wayne State Univ.

At Ford Motor Company, perspective results from the necessary training, background and further education a college graduate needs to obtain the advancement he wants. Perspective, in a painting, is the illusion of depth. With us there's no illusion.

Perspective at our Company often starts with the two-year College Graduate Program. While in the Program, a graduate progresses through a series of developmental moves. He becomes familiar with our business. Takes on ever-increasing amounts of responsibility. And accelerates according to his own application and ability. We want him to succeed. Because the greater his success, the greater ours will be. One recent graduate, Carl Marcucci, typifies this success story.

Since joining us in 1960, Carl has gained wide experience in our Quality Control Office. For example: He put together a coordinated program to test a new engine . . . served as a liaison between one of our foundries and our manufacturing plants . . . and represented us with vendors who supply our manufacturing plants. In addition, through our Employee Continuing Education Plan, Carl furthered his academic accomplishments by earning his Master's Degree. Carl presently is taking a seminar course to qualify as a registered professional engineer. This added knowledge and the many work situations he encountered have greatly enlarged Carl's perspective. Make him better able to reach the right decisions in his current job—Section Supervisor of a Quality Control Department with 52 people under him.

This is not an isolated case. Many college graduates have grown just as rapidly. If you want a future as big as you'd like it to be, see our representative when he visits your campus.

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# CCR'S Attend Confab

Riverside occupied center stage on the college political scene last weekend when some 300 students, including 4 local representatives, descended on the historic Mission Inn for the California College Republican's annual convention. Voting delegates from the Caltech CCR were the club's president and vice-president, Sean Solomon and Don Blair; Lew Fraas and Jimmy Yee went as alternates.

The convention opened Friday night with caucuses and committee meetings. Delegates left their smoke-filled rooms Saturday to hear and address by Republican State Central Committee Chairman Gaylord Parkinson and to discuss the future of the Repub-

lican Party in the state with three southern California Assemblymen.

The proceedings went into high gear Saturday evening, with a banquet and a speech by former governor Goodwin Knight, and all presidential candidates hosted lively campaign parties. Hug-over from the night's festivities, the delegates still managed Sunday to elect Dave Jackson, Cal Poly-Pomona, president of the state CCR for the coming year. The Caltech delegation had worked actively for Jackson, with Sean Solomon serving as chairman of the candidate's publicity committee. Sunday evening, everyone left for home to sober up and to catch up on much needed sleep.

# Audience

(Continued from page 2)

lover's head and to cry.

It may require both careful looking and overlooking to get Unity? Ask how love can spread among lies and how the Dutchman myth can come true.

Warner Playhouse, 755 No. La Cienega Blvd. 657-5520, or Beckman's Mutual Agency. Don't look in the papers — they're boycotting "obscurity."

through this one. The dialogue is perfectly reconstructed head talk, and the set is a perfectly reconstructed dirty head. If you've seen and heard enough of these to get by not as a foreigner, and if your date doesn't nudge too much, the dynamics of the group and the passions of the men will roar above the flushes of the johns and the tender ladies.

# More Mau Maus

(Continued from page 3)

asked for a constitutional convention in Southern Rhodesia, and the other one the formation of a number of international organizations to further trade and development in the underdeveloped nations. Both were completely in tune with Kenyan national interests.

# Let's Park

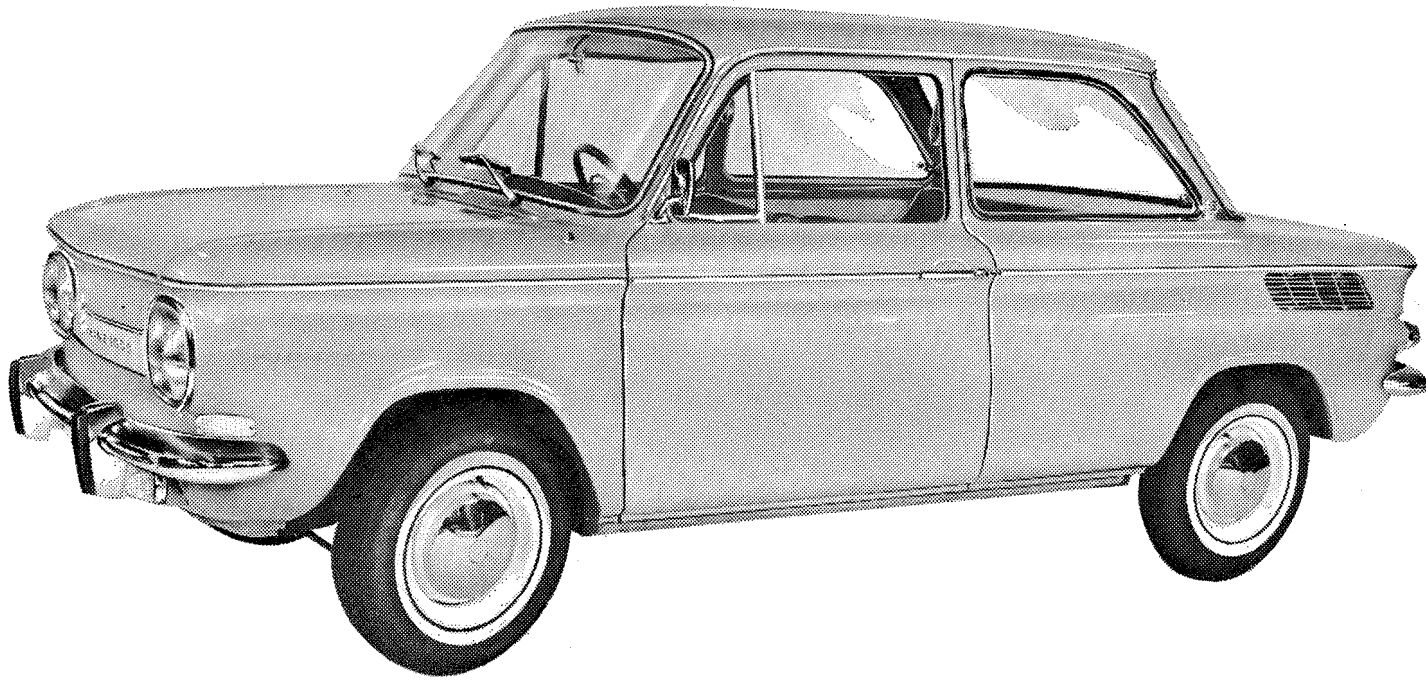
Ned Hale, Dr. Huttenback's secretary, has a real live parking meter in her office. All contributions go to the Children's Hospital in Hollywood. C'mon you guys, park!

Don't miss the opportunity to buy one for yourself from Bill Rosenburg.

# Rain and Golf Do Not Mix

The Caltech golf team got back in form after its win over Pasadena College last week by losing to Claremont 39-15. Rain and cold made the water-soaked Annandale course trickier than usual.

Rain caused the match to be called at the end of nine holes. All of Caltech's points were accounted for by John Beamer (winning six) and Roger Davison (winning three) and their combination best ball accounting for the six remaining points. There will be a return match tomorrow to be played at Claremont.



## How to pick a new car for below \$2,000

### Factual comparison of 18 imported automobiles

1. Even if you do not buy an NSU automobile, you may save endless days of showroom comparison shopping in the few moments it takes to read this ad.

2. Acceleration of competing brands is compared first. Chart below is in seconds from 0-60 miles per hour for 17 better selling 1965 sedans under \$2,000 and 3 sport coupes under \$3,000 P. O. E. N. Y. Sources of independent publications show in foot notes:

Sedans	Seconds	Rating	Source
NSU PRINZ 1000 "L"	15.7	1	a
SUNBEAM DE LUXE	18.2	2	b
RENAULT R-8-1100	19.2	3	c
DATSUN 410*	20.8	4	d
MG SPORT SEDAN	21.8	5	e
SUNBEAM IMP	21.8	5	f
FIAT 1100D	22.5	6	g
SIMCA 1000	22.5	6	h
TRIUMPH 1200	23.3	7	i
SAAB	24.5	8	j
NSU PRINZ 4	27.7	9	k
VOLKSWAGEN 1200	29.4	10	l
FIAT 600 D	32.0	11	m
ENGL. FORD ANGLIA DE L			nr
ENGL. FORD CORTINA			nr
OPEL KADETT <sup>1</sup>			nr
RENAULT DAUPHINE <sup>2</sup>			nr

Sport Coupes	Seconds	Rating	Source	Price <sup>4</sup>
SIMCA BERTONE CPE	18.2	1	n	\$2635
VW KARM. GHIA	30.0	2	o	2295
NSU SPORT (Bertone) <sup>5</sup>			nr	1998

<sup>1</sup> Opel Kadett "S" (special) 17.2 seconds per Auto, Motor and Sport, Germany 1965, nr for standard Kadett.  
<sup>2</sup> 39.9 seconds for Push Button-Automatic; per Road and Track, Calif., Dec. 1963.  
<sup>3</sup> 0-50 in 16.7 seconds per "Motor", London, April 9, 1963. No independent test report for 0-60 available.  
<sup>4</sup> P.O.E. N.Y., Automotive News, Dec. 14, 1964  
<sup>5</sup> Automobile Topics, L.A., Sept. 1964  
<sup>a</sup> Car and Driver, N.Y., Feb. 1964  
<sup>b</sup> Sports Car Graphic, L.A., July 1964  
<sup>c</sup> Car and Driver, N.Y., June 1964  
<sup>d</sup> Road and Track, Cal., Jan. 1963  
<sup>e</sup> Sports Car Graphic, L.A., Aug. 1963  
<sup>f</sup> Road and Track, Cal., July 1963  
<sup>g</sup> Motor Sport Illustrated, L.A., Dec. 1963  
<sup>h</sup> Car and Driver, N.Y., June 1962  
<sup>i</sup> Road and Track, Cal., 1962 Road Test Annual  
<sup>k</sup> Auto Car, London, June 8, 1962  
<sup>l</sup> Road and Track, Cal., Jan. 1965  
<sup>m</sup> Road and Track, Cal., 1962 Road Test Annual  
<sup>n</sup> Popular Imported Cars, N.J., Oct. 1964 — Road Test  
<sup>o</sup> Road and Track, Cal., March 1962  
<sup>nr</sup> No independent report located

3. Weight-of-car-to-horsepower ratio — compared next — is closely related to acceleration. Both are vital to "stay with traffic" and for real driving fun. Weight-power-ratio is obtained by dividing the empty weight of each car by its horsepower. The less weight one horsepower needs to pull, the more "get-up and go" in the car. Comparison follows:

Sedans	1 HP pulls car weight in lbs.	Rating
NSU PRINZ 1000 "L"	27	1
ENGL. FORD CORTINA	28	2
ENGL. FORD ANGLIA DE L	31	3
OPEL KADETT	32	4
SIMCA 1000	32	5
DATSUN 410	32	6
MG SPORT SEDAN	33	7
RENAULT R-8-1100	34	8
SUNBEAM DE LUXE	35	9
NSU PRINZ 4	35	10
TRIUMPH	36	11
FIAT 1100 D	36	12
SUNBEAM IMP	37	13
RENAULT DAUPHINE	37	14
VOLKSWAGEN 1200	41	15
FIAT 600 D	42	16
SAAB	43	17

Sport Coupes	1 HP pulls car weight in lbs.	Rating
NSU SPORT PRINZ (Bertone)	34	1
SIMCA BERTONE COUPE	34	2
VOLKS. KARMANN-GHIA	45	3

Facts on Weight-power-ratio from Automotive News, Detroit, Dec. 14, 1964.

4. Original cost and resale value are important points. For example, NSU cars for over 6 years in the New York market show lowest depreciation averages of almost any make. Typical recent sales for old and new models are shown below.

Model Year	Sales Price	Original P.O.E. N.Y.	Average Depreciation per year
1959	\$ 495.00	\$1398.00	12.9%
1960	530.00	1398.00	12.4%
1961	550.00	1398.00	15.2%
1962	695.00	1485.00	19.6%
1962	995.00	1998.00	16.7%
1963	1295.00	1998.00	17.6%
1964	1295.00	1685.00	23.1%

5. Warranties should be simple and collectible. We promise an honest 12 months or 12,000 mile (whichever occurs first). No years of costly inspections to maintain your car's "good standing." You don't have to be a lawyer to understand us. We offer free replacements of originally defective parts and labor cost for installation. After that, reasonable charges.

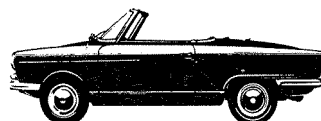
6. Ease and cost of repair should be compared. For instance, we exchange a completely rebuilt Prinz 4 or Sport engine including transmission, differential, starter-generator clutch (as one unit) for \$265.00 and return of your old unit. Exchange clutch unit costs \$24.75; rebuilt engine short-block exchange for "1000" is \$165.00. We invite your personal inspection of our spare parts stock and prices.

7. Top speed, reliability, road-holding and cornering are best proven in public, expertly supervised tests of endurance, speed, skill and economy. The "4" and the Sport have a top speed of 80; the "1000" has 85 and the Spider 95 m.p.h. The "1000" has 5 main bearings; all have overhead cams. These and other engineering features, usually found only in much more expensive cars, contribute to NSU's successful performances. Below are a few of our accomplishments:

Year	Event
1959 9th Overall—31 cars	8 Hour Endurance, Little Lemans Lime Rock, Conn.
1962 7th Overall—26 cars	8 Hour Endurance, Little Lemans Lime Rock, Conn.
1963 Class Winner	Monte Carlo Rallye
1964 Class Winner	Conference, L.I. (N.Y.) Sports Car Clubs
1964 Class Winner	12 Hour Endurance Test Marlboro, Md.
1964 1st & 2nd Overall	18 Hour Endurance-Economy Run October 4, 1964 International Raceways, Oregon

8. Who is NSU? The manufacturer of NSU automobiles has been in business near Stuttgart since 1873, already making automobiles in the early 1900's; also motorcycles. NSU resumed automobile production in 1957.

9. Everybody in Europe knows or drives an NSU. More than 9,000 Americans own one. Happy people, most of them. National Service, with hundreds of qualified repair dealers, is available now. A factory manned mobile training unit travels the country to train and retrain mechanics.



10. Our comparison charts refer to three models made by NSU. The fourth is the famous NSU Wankel Spider, the world's first production car with the long awaited rotary piston engine. You may have read

about this revolutionary engine in scientific and other publications. Deliveries are just around the corner. It's a terrific, fast convertible for car lovers. \$2,998 poe.

11. Extras are available: sliding metal sunroof \$94; front disc brakes \$52; rear pivot windows for "4" \$21; they are standard on the "1000" L and Sport; Bertone Sport: front disc brakes \$52; tachometer \$69. The De Luxe or "L" package is too extensive for detailed listing.



12. All NSU's are built for the enjoyment of full sized adults. Should the real merits of the compact be forgotten? Savings of anti-freeze in the aircooled engines of the "1000", the "4" and the Sport? The 20-30 minutes a day saved in parking a man size "Compact"? Gas mileage up to 50 m.p.g. of the PRINZ 4 and SPORT? Up to 40 m.p.g. for the "1000"? And you can look through large windows at the world passing by. NSU's 1965 automobiles and engines accelerate better per horsepower. Stronger engines plus solid unitized body give better weight - power - ratio (and lower initial cost, better top speed and gas economy, too!).



Suggested poe from \$1598 to \$1998. Spider \$2998. Overseas deliveries arranged. See and test drive in California: Culver City: I. Lindqvist Foreign Cars, 3929 Sepulveda Blvd., Tel: 213-VE 9-2033; Oakland: Schleicher Motors, 7956 McArthur Blvd., 415-569-4767; Pasadena: German Car Sales & Svce., 765 E. Washington St., 213-798-6063; San Francisco: A & E Motors, Inc., 1023 Mission, 415-UN 1-6886; San Raphael: Marin Imported Cars, 30 Duffy Place, 415-456-5319; Sunnyvale: Foreign Car Clinic, 1028 W. Evelyn Ave., 408-736-6409.