Streamlining Been Planned for the Tech Next Term

The new Tech Spring will offer a number of improvements for students. With this issue of the Caltech News comes the announcement that the Spring 1951 schedule will be made easier for students to read by streamlining the presentation of its contents. While the business manager, will not take over until September 1. In the meantime, the business manager will continue in his present position of circulation manager.

**The New Tech**

Next term the Tech is going to be streamlined in its format (in response to the wishes of the editorial staff). If you, as readers, have any ideas for improvement of future issues, they will be welcomed by the editor. Also, with the “shakes” in the schedule, the new presentation will open which anyone who is in favor of more clear cut formats can look forward to.

### Musicale Offers Chamber Concert Sunday Evening

This Sunday the Musicale is presenting another concert to benefit St. John’s. The time of the concert is 4:30 p.m. The program will be sung in the usual manner with Dr. Reuter in charge. It is sponsored by the Math and Physics associations. The concert is free to all students and is sponsored by the Math and Physics associations.

### Local Colleges Cooperate in Speech Toreturn

Starting Thursday, March 9, Phi Kappa Delta National Speech Honor Society will sponsor the first of three tournament joint assembly programs. The topics for these events will be

- Phi Kappa Delta Sat and Mt.
- Phi Kappa Delta Fri night

#### Techmen in music

Techmen in music’s super division will sponsor a half-hour program. The names given are: Grain, Nelson, and Girard. The program will be held Thursday, March 9, at 8:30 p.m. in the FVC auditorium.

### House Men To Make Socks

In order to avoid a raise in the room and board fee, the daily cleaning of the rooms and halls will be by students. These efforts will be managed by the Hall Men’s Association. A number of names have been reduced to this point. This would be a reduction of approximately five per cent in the Hall Men’s Association. The new fee is effective on Monday, March 9.

#### Commonwealth Lake Assembly

The men who are interested in the assembly can meet in the new Men’s Assembly room on Monday, March 9, at 8:30 p.m.

### Film Classics Assemblies for Next Term Listened

The tickets which will be sold for the third term Film Classics assemblies are:

- Three second run films: “The Nutty Professor,” “Alice in Wonderland,” and “Pride and Prejudice.”
- Two first run films: “Cleopatra” and “The Running Man.”

### College Assemblies for Next Term Listened

Women’s Association: “The Great Gatsby” and “Gone With the Wind.”

### No Assembly Friday Due to Ill Star

Tomorrow’s assembly, which was to be the best of this term, has been canceled due to bad weather. The assembly was to be held at 7:30 p.m. in the FVC auditorium. This assembly was to be a continuation of the series on “The Life of a Star.”

### Students Take Over Jobs

The current editorial staff includes: Budd LeTourneau, managing editor; Jack R. Magee, assistant managing editor; David Marshall, features editor; Martin Robeson, sports editor; and Constantine, art editor.

### Honor System vs. Average College

It is widely supposed that all of us would want the same course of studies at Caltech. It would be called “Observations and Experiments.” The average student would like the system of the average college. The purpose of this film is to show how the Honor System is maintained and how it differs from the average college system. The film is available for viewing in the FVC auditorium.

### Musicians Offers Chamber Concert Sunday Evening

The Musicale is offering another concert to benefit St. John’s. The time of the concert is 4:30 p.m. It is sponsored by the Math and Physics associations.

### Essay Contest Deadline Near

The next essay contest will be held this week. The essay contest is open to all students. The deadline for submission of essays is Friday, March 9, at 4:30 p.m.

### College Assemblies for Next Term Listened

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### In some of the houses entry

In some of the houses entry has been made for the Techmen’s speech tournament. The tournament will be held on Monday, March 11, at 7:30 p.m. The tournament will be held in the FVC auditorium.

### Men’s Assembly

The men who are interested in the assembly can meet in the new Men’s Assembly room on Monday, March 11, at 8:30 p.m.

### Student Life at Caltech

The presentation is an all-school program sponsored by CIT, and is being held in the FVC auditorium. The program is being held in the FVC auditorium.

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The SPACE BEAVER

By Al Levine

Rumors are beginning to fly concerning an impending shake-up in the world of Rakel Science Fiction Quarterly. This is to be expected, as the space cannot last too much longer, is somewhat disorganized and a bit of a mess.

Iconic Mahler is due in Cali in the upcoming weeks, but he has postponed his trip due to health reasons. He is expected to resume his tour after the holiday season.

The Music

Today marks the fiftieth anniversary of the death of Gattaca, the original star of Gattaca. A suit was thrown out in a recent case, but it appears that the stage is set for a sequel in the next few years.

For more information, please contact the Gattaca Foundation at 459 East Colorado, Pasadena, CA 91101.

The SQUARtS' CIRCLE

To the Editor:

I'd like to thank all the men who made Stead's ASCET dance possible—"Pink" (President), "Bob" (Secretary), "Jim" (Treasurer), "Charlie" (Manager), and "Dave" (Band). Their hard work and dedication made the event a success.

I'm also grateful to the students at the University of California for their support and participation. The event was a great success, and I look forward to next year's ASCET dance.

Sincerely,

[Signature]

CALIFORNIA TECH
Mankind treats the earth’s atmosphere as a vast, wastes, a cheap resource of being affected by the use of the air and its gases. Consequently, the atmosphere can accept everything that we wish to do with it.

In some areas, however, geographical and meteorological conditions can limit the capacity of the atmosphere to do its work. In several areas in the world, and, indeed, in the Los Angeles area—because of the growth in its population and industrial development—is currently the most serious pollution problem.

Mountain ranges bar the northerly horizontal flow of air to the Los Angeles region. A chronic temperature inversion (a hot layer of air above a cold one) stops the normal upward flow of heated air. When this layer gets down to a height of 1,000 feet or less, the air is contaminated and the dilution and dilution of the smokes and fumes can be considered as limited to a volume about 25 miles square and 1,000 feet high.

Such a volume, about 150 cubic miles, contains roughly 650,000 tons of air. Forty-pound bags of chemical, a compound related to shilstone’s odor, released into the air above Los Angeles could perform this whole volume. As little as one-half a pound of a still more odoriferous compound could do the job. Hence Los Angeles’ particular atmospheric smog is obviously limited in the amount of waste (that it can handle).

The human sense of smell is quite sensitive, however, and it requires amounts of pollutants much larger than those mentioned above to produce the eye irritation and plant damage that bad smog causes. It would take, for instance, 60 tons of the worst pollutant to produce toxic levels in the area, and about 300 tons of sulfur dioxide, a compound released by certain industrial processes. (A measuring figure for the quantity of pollutant that would be required to make the air of the Los Angeles area is about 30,000 tons of sulfur dioxide.)

It is clear, then, that an area such as that around Los Angeles, even though the size of the atmosphere is limited, can still take several hundred tons of pollutants before the pollution becomes objectionable.

Kyes and Plants

On the other hand, it is immediately obvious that sometime the necessary quantities of pollutants are being produced in the Los Angeles area; for, not only does the smog make eyes water and plant damage, but it also damages severely many of the crops on which the agricultural life of the area depends.

The best clue to the damaging component of smog has been that, in fact, that smog air has an unusually high existing air. Susceptible plants are exposed to air, whether it is in the form of a few hundred cubic feet of smog or in the form of several thousand cubic feet of smog.

We have obviously been trying to make the air of the Los Angeles area a 300,000 tons of sulfur dioxide.)

To find out how much of this pollution is being produced in the Los Angeles area, we need to determine the most efficient way of using this information in the interests of our society.

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To find out how much of this pollution is being produced in the Los Angeles area, we need to determine the most efficient way of using this information in the interests of our society. (Continued on Page 4)
rubber is stretched or bent during mobile space that releases unburned hydrocarbons are deliberately not working at peak efficiency.

Rice of Smog

The Los Angeles smog that arises from the burning of gasoline is a major industrial process. In this major industrial process, the air is cleaned up in the oxidation of the carbon monoxide, and in addition it can usually produce small (if ozone is formed) release areas that may also reach the point of the smog's pattern; and in addition it can usually produce small (if ozone is formed) release areas that may also reach the point.
Horsehiders Take Open Two Matches

The Yarsity baseball team had their first game last Wednesday with Mclay. They lost 7 to 4, but the score did not mean too much. The weather has not been warm enough to have a good practice and the field was a little muddy.

Brown Hart

One goal only hit while we made four errors. The hit scored only two runs. The rest of their runs were unearned.

Window and Hendrick did the pitching for Cali. Window started, had a little difficulty in the first inning and finished the next two innings, three up and three down. Hendrick was also having trouble with control.

Interviewed were Wildroot, F.M. Dill, and Wildroot with the world record of 93 feet just as they did shave a healthy margin off the old mark of 30.29 feet. They did 430, 432, 433, and 434 to win a real tight one. The team has two more rooms this year and may well hit it later, when they are in better shape.

Not Lapped

Cali's district number one has the proud distinction of being the only one not lapped, finishing second with 158 points. The first two were Pomona 351, Augsburg 263, and Caltech 133. With the exception of the 800, those were new records for the runners of 1500 and 1000. There's still some improvement left in the old record.

Other all-time records for the Engi neers were Hensell, who broke the district record of 3:25.2, and Mason 4:33.4. With the exception of the broad jump, we are in better shape.

Every other school in the state started, had a little difficulty, Hansen left his hard earned times were Johnson running. Again may well hit it later, when the trouble is over. The only one not lapped, Winslow fired a good game.

That Gym Again

Carl Bly has a rear coaching problem every fall. Rarely does he get a group of men who are fairly polished ball players, community he receives of a group who have never played or have played just a little. It takes time and lots of time to teach these men fundamentals. And this time comes only through practice sessions as second as school opens with two or more hours of drill. Every other school in the league has a basketball program ahead of time and there's a lot more polish that comes from long hours of practice. How do they do it? By having a gym. Everyone is familiar with the gym, so I need say no more.

The Past

After the last born in the Pomona game, I took a moment to look back over past basketball experiences. The most famous accomplishments occurred in college (and once in high school). However, it is one of the most famous members of the student body that we can look at these days. When "Gum" Ballard literally went around the gym, and the ball devoured the Harvard J.V. five in the close. (Continued on Page 6)

Last Friday night brought an end to one of Tech's most uneventful basketball seasons. The team played good ball at times, but had a habit of losing at strange times, at which point the opponents went wild. We should make all kinds of excuses for the team, but that's how all our troubles bunged around not having enough practice time.

Groves Hart

One goal only hit while we made four errors. The hit scored only two runs. The rest of their runs were unearned. Cali's scored their runs on three hits and five errors.

Window and Hendrick did the pitching for Cali. Window started, had a little difficulty in the first inning and finished the next two innings, three up and three down. Hendrick was also having trouble with control.

The squad enjoyed a victorious week by also winning a practice match with F.C.C. 84. Such a record should raise the pride of the team in a league requiring a fighting drive for next term's battles.

Tenismen begin finals next week after the term's final tennis match with Whittemore. They were on the Whittemore courts Saturday, March 19, at 12:00 noon, Olen Sweep.

Booster rocket swimmers came from Chapman last Saturday with nine victories. Chapman was admitted into the conference at the end of the year if they meet with approval. The vital statistics of last Saturday afternoon are as follow:

Singles:

John Martin (C) def. Jim Groves (Chap) 6-4, 6-2, 6-1.

Palmers Smith (C) def. Don Hansen (Chap) 6-2, 6-4.

Hodges Broder (C) def. Larry Covas (Chap) 6-3, 6-2.

Burke Welch (C) def. Bear Turner (Chap) 6-2, 6-1.

Jim LoFori (C) def. Fred Turner (Chap) 6-3, 6-1.

Tee Rieney (C) def. Paul Harl (Chap) 6-3, 6-0.

Doubles:

Martin-Smith (C) def. Graham D. Tucker (Chap) 6-4, 6-1.

Rogers-Ross (C) def. Hanssen (Chap) 6-3, 6-0.

LoFori-Hyman (C) def. F. Turner-Chap (Chap) 6-2, 6-1.

The squad enjoyed a victorious week by also winning a practice match with P.C.C. 84. Such a record should raise the pride of the team in a league requiring a fighting drive for next term's battles.


**THE CALIFORNIA TECHN**

**CAMPUS SPORTS ROUNDUP**

(Continued from Page 5)

**Tracksters Get Workout**

As was expected, Oxy ran away with the conference relays. Froshscopes came out like this: Oxy, 6; Tech, 4; Redlands, 3; and Whittier, 2.

With nine men contributing to the point total, Tech's frosh did all right for themselves. The only froshes grabbed out of conference events were Ferry's winning run of the 440, and the combination of Lloyd, Campbell, Ogden, and Munro in the 880 relay. In clover and score positions the froshes came to the aid of the pointies. Campbell got 2nd in the broad jump and 4th in the high jump and had Lloyd, Kirkpatrick and Corbin take a third in the high jump medley to give him the 5th point for the day. Kirkpatrick ran with Mus, Ogden and Corbin for 2nd in the mile relay and took a 2nd in the discus. Lloyd ran a photo finish 10th and 12th for 11 and 12 in the javelin toss to complete the scoring.

Events coming up this week-end are a tennis match against Western which will start Saturday at 1:00 and a dual track meet against Redlands, there.

**INTERVIEW SCHEDULE**

(Continued from Page 5)

**Grady, Mike to Lead**

Fireworks in gray and Leon Michelsen were behind #1 in scoring but there were 59 points remaining. At one point they made nine out of ten from the three-free throw line.

**BUTTIN’**

(Continued from Page 5)

ing second of an over-time period to maintain an undefeated sec- ond. Last year Jim had still maintained his eye by being picked in that All-Five League team while playing for Harvard. The most discouraging game was when Norm Glick posted 11 points through the hoop for the Little Frosh while I stood help- less by.

And in the little basketball sec- tion that I have experienced, I never saw a good idea to two men. First, to Gordon Bern of the Phillips Eastern Academy who painstakingly taught me a right and left handed hook shot. And secondly to Coral Sky who spent two years earning a respectful arm on sportswear man's time. It is going to be hard to say goodbye to what I think is a great game. When most full comes around, I feel very strong not taking shots at the hoop while waiting for the season to start rolling. But no matter what the future, I know that basketball has been a lot of fun and a great teacher of how to be from wise and boxes with a smile.

**WHO DEALS THIS MESS?**

(Continued from Page 5)

To prevent one of the defenders from trampling the scale, it should be noticed that clubs is an instrumentality for improving the diamond (often then a result of his eyes by batting technique) if which to trump, but they often don't have him as a result. But anyone who is known before shuffling on the spades.

**FROSH SPORTS ROUNDUP**

(Continued from Page 5)

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