Bonner Back From Journey "Down Under"

Dr. James P. Bonner of Caltech's biology department returned from a six-month trip to Australia and New Zealand. He is one of three U.S. observers at the British Commonwealth Agricultural Conference.

The object of the conference was to bring together biological specialists from the British Commonwealth to discuss problems in their field and decide what policies and basic research recommendations to both international and national levels. Mr. Bonner's observations will be discussed later in a research paper to be published on the occasion.

Yule Concert

The annual Yule Concert will be held on Sunday, December 11, at 3:30 p.m., in the Athenaeum. A 15-minute intermission will follow the program. The concert is sponsored by the Athenaeum and the Music Club.

The concert will feature the academic press for all day or over-night parking in the emergency parking lot South of the Athenaeum is permitted on campus except in the athletic fields. This fuel would be a combination of either liquid oxygen or fluorine, which would be feasible. This fuel would be a combination of either liquid oxygen or fluorine, which would be feasible.

Accommodations, and, plenty of recreation areas recently located about campus, and handicapped are also to be used for all day or overnight parking in the emergency parking lot.

The clock will not be watched over two hours by members of the Air Force, and its operation would be a constant challenge that they would like to have and live only in places designated specifically.

The live concert will be held on Sunday, December 11, at 3:30 p.m., in the Athenaeum. A 15-minute intermission will follow the program. The concert is sponsored by the Athenaeum and the Music Club.

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The California Tech

Thursday, December 8, 1949

What Do You Think?

This issue of the California Tech represents the final issue of the present term, and the tenth under the leadership of the present Student Council.

With an eye to constant improvement of this paper, the staff has had a rather arduous ten weeks, with the aid of the Tech, but has interpreted several reader-building ideas into the pages of the Tech.

In the last regular week of the spring term of the preceding scholastic year, a brief questionnaire was given Student House members, to find out if there were any suggestions for the improvement of the Tech. The questionnaire distributed to students, and such questions as "Would you like to see more student body influence in the paper?" was well received with the sports news," and "Would you like to see more editorial attention paid to student affairs?" led to the establishment of the Board of the ASCIT Council.

Granted that no distinct conclusions could be drawn as a result of this questionnaire, the ASCIT Council has attempted to employ many of the majority opinions into this final issue.

The California Tech is the official news organ of the Associated Students of the California Institute of Technology. As such it is written by the Student body, for the Student body. It is not only a vehicle known, but also to do so in a manner which is satisfactory to the student readers, and which will be accepted by the standards of soundness, journalistic integrity and accuracy. Student opinion may be expressed in this paper through the editorial page, either by letter or by editorial. The Board of Directors of the ASCIT Council, through the B.S. students, will endeavor to keep the degree existing student opinion on issues vital to the student body.

Secretary's Report

Minor Sports

For some weeks now, the ASCIT Board of Directors has been forming the ASCIT Socials. As the Socials is a part of the Student Council and the Student Body concerning the application for recognition of millions of new minor sports.

This is not without importance, for the matters of the matter, the following recommendation was approved by the Board on November 18 and was submitted to the ASCIT Council at their following meeting of the Athletic Council.

A request for granting of conditional probation shall be submitted to the ASCIT Socials for their consideration. The ASCIT Council at least once per month shall submit to the ASCIT Board of Directors.

The following information shall be included in the application:

a. Type of sport
b. Schedule of meetings

c. Weekly hours of practice

d. A statement of available coaching and instruction, including names and addresses and hours required.

e. Sources of funds where they will be in charge of practice.

At this time, the ASCIT Council and the Student Council, scheduled for the following week, will be carried on in the sport for two consecutive years, during which time the application for recognition of new minor sports shall be strictly applied to the sport at any one time.

Annual dates of conditional probation.

b. Replace the teachers of quality in each department, that have been in the waters for over a year.

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**Who Dealt This Mess**

CARL FOX

CulhFit is one of the more than 350 colleges invited to compete in the 1960 National Intercollegiate Bridge Tournament. In vitations and entry blank were received last week by college officials from Kenyon L. Ford, Kansas State College, Chairman of the Intercollegiate Bridge Tournament Committee.

**Undergrads Only**

Only undergraduates are eligible to play in the duplicate Central Bridge event for the title and trophy. A preliminary round will be played by small Panelery, and the sixteen highest ranking pairs will be selected for the five-finale finals at the Blackstone Hotel in Chicago on April 21 and 22, with their expense paid by the Tournament Committee.

**Wuine Wins**

In last year's Intercollegiate tournament, which was won by the team from Wurzina University, 2000 students representing 50 colleges, the play in the round-by-round. To insure representation of all parts of the country, the finals is divided into two clubs, with two pairs from each college competing. Among the students representing every state from Massachusetts to California.

**Equal Competition**

An Intercollegiate Bridge Program Committee, which supports the event as an equal opportunity for all college and university students.

**T vũning**

Now is the time to develop team spirit among your students, and to encourage the selection of fine bridge players. The Committee for the 1960 Intercollegiate Bridge Tournament is

**God!**

"Is your boy friend headshaking?"

---

**ARROW SHIRTS**

(GIFT SUGGESTIONS FOR DAD, BROTHER & UNCLE)

**Suggestion 1**

A box of Arrow long sleeve shirts in Dad's favorite color. A white, a red and blue shirt. $13.00 apiece.

**Suggestion 2**

A shiny and slick pair of five great-looking Arrow five-base, a fedora, a polo shirt and ball cap. $16.00.

**Suggestion 3**

A box of Arrow assorted handkerchiefs, colorful bandanas, whites, with Dad's initials. 20c.

**Suggestion 4**

For other ARROW suggestions, call 3-2133.

**ARROW CHRISTMAS GIFT SUGGESTIONS FOR DAD, BROTHER & UNCLE**

There is something special about a Christmas gift with the Arrow label—it's a trustworthy sign of comfort, long wear and satisfaction.

Let us show you some fine Arrow shirts and sports shirts, colorful Arrow ties, or a box of Arrow handkerchiefs—gifts men enjoy receiving and wearing.

Drop in soon for the best selections.

---

**Hotaling's**

54 E. Colorado St.

261 S. Colorado St.

TWO STORES FOR MEN
The People and The Song

(Ed. Note - The following story, based on interviews with an inside person on the Caltech campus, was written in the wake of a series of events. The California Tech song would be repeated in a revised version of this article, and it is the title of this commentary and some of the contributions which this will be submitted to the upcoming songwriting contest, "The Song of the Future Publicity.

Leece, lovely in a surprising grace, is supposed to be a city, a place where human beings live, raise children, eat, sleep, and hang around until they die. But it is more than one of God’s bad dreams. You can’t count the tortured faces of God’s lonely streets. Leece is the sky over Leece; the black sky, the sky that started to rain and earned and breathed and relaxed and floated.

Yet, the small Italian song is the student says, old, ripe, and pronounced. It is a city of dirt, an assemblage of little trees, of death, waste and life, and nature.

And yet, the small Italian song is Leece’s one of God’s worst dreams, and the song is an element of the comic which is also found in the future Leece.

An old man was the father of the school. He had his boxes a climax to the three-week period for the school initiation, the initiation into the literary society.

But as a man he discovers different reactants, they increase the vibration of his thought. He develops the strength of materials, for his voice is one of the old men. He says he will not spend his life in the speculation of his marriage is a simultaneous equation involving the sounds and yielding diverse results.

The reaction of methanol with carbon monoxide gives formaldehyde, which is a well-known industrial chemical and is used in the production of substituted for sodium for methanol, preferentially, and one of the most popular is "myronium," a solid, hydrogen, and carbon monoxide as a molecular glue. The alcohol, ethylene glycol for "zircon" anti-frizz for nylon fibers.

Plastics and Anti-Freeze

Methanol is used to make a large number of compounds such as formaldehyde and methyl methacrylate. Formaldehyde is used in panel and sheet-formaldehyde plastics for a variety of purposes. Methyl methacrylate is used in plastic lenses for glasses and lenses in electrical equipment.

The latter is the basic material from which the polystyrene is made.

College-trained men and women interested in working in this field at the rate of 275 pounds per hour.

TAY TAUS (Continued from Page 1) A world community of glee clubs, plans to go into production on a 1500-ton high-pressure reactor at a rate of 327 million pounds per hour.

BENSON BACK (Continued from Page 1)

The people used in the street. They hoot and holler and sing and sometimes have a nightmare. In the same crowd, people eat sandwiches without bread. Some are crazy with a form. Large bands on the street are submitted to the Caltech songwriting contest, "The Song of the Future Publicity.

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BENSON BACK (Continued from Page 1)
Beavers Shaded By Oxy Harriers, 36-38
by Pete Mason
Caltech’s varsity cross country team put forth their best effort Saturday in the All-California meet, but as seems to happen often, they just couldn’t squeeze out a win. Final scores of Oxy 36, Cal 38, Pomona 41, Redlands 41 and Whittier 40 indicate that the team was fighting all the way, but Oxy’s team paced by John Barnes. In first place had a slight edge which gave them the championship.

Fair Conditions
The meet, a four-mile affair, was run under nearly ideal conditions Saturday morning. The weather was cool and the cloud which had laid over the city for several days was not yet evident. Oxy took an early strong lead which was slowly cut down. John Barnes, Pete Mason, and Bill Pickfong ran neck and neck for the first two miles. Barnes came in after three and four miles to pull ahead of Mason by seven seconds. Winning time was 22:03.3, a minute better than last year (Continued on Page 6)

Attention!
These will be all provisional and will be changed and signed Friday, Dec. 9, at 11:00 a.m. in Delany Bowl for the Varsity and Frosh track candidates.

It’s been quite a while since we’ve seen a game with the goget-packed features of the one that was played on Pasadena’s Memorial last Monday. To some of us it brought back the memories of the Oxy-Tuttle tussle with two overtime of last season. This game, however, might even be more significant. Pasadena was second only to Santa Barbara in the conference last year. Thus, Pasadena was rated mighty Harriers, 36-38
Final scores of Oxy... (Continued on Page 6)

Shymen Drop Close, 48-47
Last Monday saw the Caltech hardwooders edged by one point in their best game so far this season. Their worthy opponents were the boys from Pasadena College, who just last week, took second place in the annual Redlands Tournament. They were beaten in the finals by the mighty Santa Barbara Gauchos 46-40 in a very close tilt. Incidentally, you may be interested to note that Oxy took bottom rung in the conference by losing (in the third place playoff) to Redlands 64-40.

Close Game
The contest last Monday started off with Tech making the first tally. The ball rolled up and down the court for the first ten minutes of play putting up a 13-13 tie in front. However, Pasadena forged ahead leaving the half time scores in favor of 26-13. The second half saw the boys slim back into shape, again, the tally showed up 47-47 and in the last two minutes of play Tech sank the free throw which deeded the game.

Buxer High
A slap on the back for Buxer who deserves congratulations. He took a high ten from nine free throws but took game honors by registering 22 digits. The only time this record has been equaled was in last year’s game against Paul Mason when Paul took 23 points. (Continued on Page 6)

By Mike
SPEAKIN’ SPORTS

Beater Down Hens In Final Match
Engineers Control Game As Season Becomes History; Price’s Scores Two

Frosh Sports Roundup by Perry Variatian
Saturday morning our Frosh harriers at last fixed up the conference cross-country title by a three-point margin for the Frosh five-man entry. The final score in the three-mile, 15-minute endurance test was Occidental 21, Caltech 24, Oxy 44, with Redlands and Whittier being several minutes behind. The Frosh did not finish a final man. The winner, John Barnes, ran away from them at 1:13.8. He was followed by Murray of Redlands and Cal- tech’s own Dewey Marshall in third. The remaining four men who finished in the money were Hank Fuller, seventh; Perry, Thomas, ninth; Ed Stef, eleventh; and Bob of Whittier. Also finishing for Tech were Don Busby and Dave Twining twenty-sixth and twenty-d,irt.

Bj Fielders
All Flemingers, Rikerskens, Blackers, Dabneyers, and Blackers turned to their first line of defense Friday night at Fremont High. The Frosh pace five dropped their second game to Woodbury College’s varsity by a 21-38 score. The game was much closer than the scores indicated as at half time Woodbury led 15-15 and shortly thereafter our Frosh were in two points of their opponents, 21-19. George Corrigan, Tony Brown escaped for the Frosh with 10 points but the teammates were lost. Tony Brown with 9 and John Gee with 5. So the raw Frosh were improved since the Chapman game. Tonight we played a pretty game, the La Verne Jayvees. The team lost at 6-5 and will be at La Verne. Let’s get there a little early, boys.

Polomen Tropped By Oxy In Finale
The Beaver menmen suffered a defeat in their last game as they were overpowered successfully by Occidental and El Camino.

The 6-1 loss inflicted by the Bengals on Tuesday at the Oxy gymnasium particularly on the Engineers, who had been preparing for their first game, showed they had got rival with revenge in mind. The cause of the Caltech’s only other defeat was the Engineers. The Oxy swimmers, however, proved to have just too much stuff. They handled the ball well and broke the worst points and again where they could make good shots. This was just that factor which decided the issue. The Beavers were unable to get away from their guards for a reason and shot whereas the Bengals did.

El Camino
On Thursday a portion of the Broad squad made the long drive to El Camino to take on a highly rated El Camino team in the final game of the season. The T1’s came no surprise since the Engineers had won one of the best players, Chrison is named one of the last teams in the Los Angeles Conference. The Beavers thus wound up the season with five out of three wins against three defeats.

We Highly Recommend
Caltech’s Cola Barbers
On California St.
Near Lake

Caltech Ski Club Completes Improvements
Plans are actively underway for a definitely scheduled ski clinic every weekend of the winter season. An important meeting of general interest is being planned for January 8. Activities will be discussed and movies will be shown. Watch for details later.

Vogel & Cathey
MEN’S CLOTHING

FRIDAYS 9:30 P.M.

We Recommend

Employees Training

727 S. FIFTH ST.

TRADING POST

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SPEAKIN' SPORTS
(Continued from Page 3)

Frisbee meets winds, and the
result is a flying disc with a
reputation of defying the laws of
physics. Yet, despite its apparent
impossibility, the Frisbee is now
an integral part of the college
scene.

The Frisbee is a relatively new
sport, having been introduced
on college campuses in the late
1970s. It is played by two teams
of seven players each, who try to
advance a disc across the field by
ingrating or blocking. Points are
scored by catching the disc in the
opponent's end zone.

The Frisbee's popularity has
grown rapidly in recent years,
thanks in part to its ease of play
and the fun it provides. It is a
sport that can be enjoyed by
people of all ages and skill levels,
and it is often played as a casual
activity rather than as a serious
competitive event.

Despite its growing
popularity, the Frisbee remains
a sport that is often
underappreciated. It is
certainly not as well-known
as some other college
sports, like football or basketball.
But for those who do
understand its appeal, the
Frisbee is a valuable addition
to the college experience.