Colorado River In Beckman?

by Bob Krickhefer

The Earnest C. Watson Caltech Lecture Series opened Monday night, with Dr. Eugene Shoemaker, professor of geology, talking about “Canyons of the Colorado: The Consequences of Catastrophe.” The Monday evening series of lectures at Beckman has now been named after the late Dr. Watson, who incidentally eight years ago gave the first of the Monday night lectures (about liquid air).

Monday night's program began with a tribute to Dr. Watson by Dr. J. Kent Clark. He described Watson, a physics professor from Tech to 1919 and dean of the faculty from 1945 to 1959, as “devoted to the pursuit of knowledge” and “lovable.”

During his 40 years here he played a major role in transforming Throop Polytechnic Institute into the modern Caltech, and was admired and loved by both faculty and students.

Dr. Shoemaker’s lecture began after Dr. Harold Brown gave a short discussion of Caltech’s responsibility to disseminate knowledge. The lecture, which outlined the results of a 1968 expedition down the Green and Colorado canyons which have occurred in the past century. Powell’s second expedition had taken 1000 years.

Continued on Page Two

The Mudeo
Will Be Here On Sunday!

by Rick Smoody

The pigs of the class of ’75 will meet the spirited class of ’76 in the 46th almost-annual Mudeo Classic this Sunday at 2 p.m. The event, to be held just west of the football field, is jointly sponsored by the Caltech Alumni Association, ASCIT, and the Deans’ Office.

Last year, the present Sophomores came from behind for an upset victory over the Class of ’74 in a bumbling floppy December contest. There was considerable complaint over the apparently unjust call of the referees – and the fact that they managed to escape unscathed from the event. This year’s judge is Professor Shoemaker, Frank Hobbs, Marion Mosiut, Rob Olshan, and Frank Hobbs – promissque Julianus.

BOD Successful At Last
Quorum At Third ASCIT Meeting

by Bob Schaff

For an hours worth of laughs, tear-jerking anecdoteds, and other general riot, those of you who have not been attending ASCIT BOD meetings really should stop by Winnette Lounge on a Tuesday afternoon at four or so. At that time, the famous, (or infamous), leaders of our student body get together in the general interest of discussing what seems to be the largest amount of disorder and confusion possible, relative to the general state of things around Tech, of course.

Opening with a quorum for the first time this year, this week’s meeting ran like the script from a “B” grade production of Charles Dickens’ A Christmas Carol, i.e., the cloning scene with old Scrooge finally becomes generous. Joe Morin, ASCIT Pres., and his cohorts proceeded to listen to the requests for money from no less than seven separate student groups. This seems to indicate one of two things: a) all the students here are completely broke, or b) everyone has the BOD sized up as an easy hit. Notwithstanding the comment however, many requests came in as follows: 1) Hockey Club - $200, 2) Co-op Housing – anything available, 3) Young Republicans – organizational expenses, 4) Student Shop - $250, 5) Karate - $200, 6) CEAC - $200, 7) Totem – all they wanted was the money budgeted them last year, 8) Gay Discussion Group – $175, 9) Scuba Club – $25, 10) Black Students Union – $200.

All the groups mentioned had interesting stories to recount and their retelling would no doubt make reading interesting, but space does not permit our printing what would certainly take up column space of a small novel. After all groups had been heard from, Joe Morin (in absence of Steve Wat – ASCIT Tres.) added the figures and informed the BOD that total requests came to $1550. Because of the aforementioned absence of Steve Wat, no one could actually come up with any figures that might apply to the balance of the ASCIT bank account. However, Jim Hugg (ASCIT Secretary) reasoned that all the money they had to begin with couldn’t
Cinematheque — Art Films For Everyone

by Steve Sweeney

Cinematheque, a Caltech and Pasadena institution "for about seven or eight years," is under the direction of Hal McGee, is again offering the best in art and foreign films to Techers film fans.

"Pasadena very rarely gets really good art or foreign films at any of its commercial theaters. Cinematheque fills this need for Pasadenans while offering Caltech students an opportunity to see excellent films," commented McGee. He reports the audiences are usually around 75% non-Caltech persons, "which bothers us, because we blanket the campus with announcements. We're nearby, inexpensive, and people who really get any of our films," he said.

The Caltech Y overseas Cinematheque and absorbs any debts incurred or profits made (the Caltech Y owns the building). Cinematheque runs its own operation otherwise, with a staff of about 25 persons: "We have the care of rearrangements, projection, cleanup, and procurement of movies ourselves. And we always have room for interested people," said McGee.

The organization picks both films it especially wants to bring to Pasadena and films that will make good profits. Cinematheque has been doing quite well this year, drawing large audiences (hence large box receipts) for its first two showings. It always appreciates any requests or ideas patrons may have.

Future shows will include Shakespeare night on October 21 with Oxen Welleys' Macbeth and Oliver's Henry V. Poland's Requiem and The Creature from the Black Lagoon from the Hollywood show October 28. Two Eastern European films, Passer's Intimate Lighting and Janos's My Way Home will be shown November 11.

Book release night is November 18, featuring his personal favor­ite, Illicit Interlude, and The Seventh Seal. The special show for this term consists of Woody Allen's What's Up, Tiger Lily? and Sturges' Unfaithfully Yours both on December 2.

All shows start at 8 p.m. in Baxter Hall. Attend a Cinema­ tech flick — it's inexpensive and provides an excellent diversion from standard movie fare.

Southwestern Rejoices

by Phil Neches

The candidate for state, local, or congressional office usually receives the short end of the media's proverbial stick. While such representatives often do more for their constituents, and represent greater differ­ ences in ideology, the thunder of presidential politics usually reclamates lesser candidates for less available offices to bureaucracy.

In order to combat this tend­ ency, and in part to help voters in the Caltech community make informed decisions on these key offices, The California Tech herewith begins a series of interviews with candidates for state, local, and congressional offices. In the coming weeks, we hope to spotlight the races for these congressmen for the 20th dist­ rict, and state assemblyman.

Our first interviewee, John Binkley, seeks to become con­ gressman from the 20th district, which includes Pasadena and Glendale. First, we asked Binkley about his qualifications and campaign strategy.

"This is a changing district." The 20th was once about 90% young people, blacks, and Chi­ canos into the Pasadena area, the voter registration figures have shifted to about 45-45, still in favor of the Republicans.

"A representative could be unresponsive, arrogant . . . That kind of representative is no longer going to be tolerated. I intend to be responsive and accessible . . . to maintain open office hours in the district . . . to have a skilled administrative assistant in the district full time to help constituents with local problems, also to channel com­ plaints to Washington."

"I would help and listen to people . . . what bothers you don't bother me, I don't even know about your problems."

Letters

Eighth Year?

Frankly Speaking

FRANKLY SPEAKING

by Phil Frank

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- A commission in the US Air Force (good pay, travel, lots of fringe benefits)

INTERESTED? Even if you're not, why not come over and talk to us at our new location, between the Housing Office and Athenaeum tennis courts. (They don't even have to buy you lunch.)

Owen of the Central Community Branch in Altadena who has been organizing these four regional conferences, and has written it up in three national publications. Larry receives inquiries weekly, and this is the program they are writing about. The success of the program is illustrated convincingly by the mothers of fatherless boys. They report that when someone cares about their boys, spends time with them, and is concerned enough to include the boy in their own life, positive changes begin to occur in their boys' lives. One mother reported, "David has two sisters and no brothers. He has practically no personal contact with males outside of the YMCA Little Brave Program. He has a very difficult time relating to people either individually or in groups. I think the exposure to an older male and to the other boys in the tribe has already helped him to feel more at ease around people. He's not nearly so lonely any more." Boys also become "more responsible," more interested in learning, more self-confident, according to their mothers, and this is what the program is all about.

As another mother said, "...in this day and age when there seems to be no one willing to give something for nothing, it's refreshing to see high school and college young men giving selflessly of themselves to help others."
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NEVERNO . . . the greatest voice since Frank Zappa
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SAME WALLS . . . same songs . . . same genius

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By the end of October David Bowie will be the most talked about artist ever, and listened to artists in the USA. Be the first to hear why. Pick up his latest LP's "Ziggy Stardust" & "Hunky Dory" while the price is low.

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26. French article.
27. Kipling's poem.
29. Grant.
33. River of the Far East.
35. Animosity.
36. Rearward.
37. Satellite country.
38. Thread in Nice.
39. Ambassador.
43. Nome dome.
44. Mr. Levant.
46. Neg. charged particle.
48. Talus.
50. Upton Sinclair's scheme of reform.
51. Chamberlain's ill-timed purchase.
52. War newspaper.
53. Chamberlain.
54. Laggar's prefix.
55. Subject of play by Calderon de la Barca.
56. Compass direction, abbr.
57. Chem. compounds.
58. East cost.
59. Time to visit England.
60. Eur. river.
61. Test of character.
62. Hawaiian dish.
63. Lat. abbr.
64. Sp. article.
65. Habitat, comb. form.
67. Ivy leaguers.
68. Petrolatula.
69. Word with the meaning unit.
70. Theft.
71. Companion of center and stable.
72. Mountain denizen.

Down
1. Pronoun.
2. Leningrad's plight.
3. Peter for one.
4. ATR.
5. Branch.
7. Earth.
8. Lyric poem.
10. Adj. suffix.
11. Name of baseball field or building.
12. Scientific unit.
15. Fuel.
17. Fisher.
18. Lyric poem.
19. Skewer item, var.
20. Tennis prodigy.
22. Plant part.
23. Printer's measure.
25. Mellifluous mixture.
26. Sinister prefix.
27. Kipling's poem.
29. Grant.
30. Terrestrial.
31. Church feature.
32. Hied.
34. Association, abbr.
35. Animosity.
36. Rearward.
37. Satellite country.
38. Thread in Nice.
39. Ambassador.
40. Name of baseball field or building.
41. Nautical station.
42. Adjectival.
43. Nome dome.
44. Mr. Levant.
45. Neg. charged particle.
46. Talus.
47. Upton Sinclair's scheme of reform.
49. Actress May Oliver.
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Food Riot Manners

"The Food Riot", a social gathering peculiar to certain technical schools in the United States, derives from the more conventional 'bovine' or 'going away' party.

This function is intended to provide a gentle farewell for mem-

bers of student housing kitchen staffs. It thus combines joyful 

commemoration with a unique opportunity for improving the local 

cuisine.

If invited as a guest you might want to take, as an appropriate 
"hostess gift", cases of soft fruit, eggs, or other foodstuffs suitable for

throwing. Although informal attire is the general rule, formal place

settings and fingerbowls should be provided.

The guests have been led into the banquet hall, seated and

served, a short invocation may be delivered. This is followed by

the ritual 'inversion of vessels'. Each member of the company present, in

the order of his social rank, upsets his plate and allows the contents to

spread evenly over the table top.

This having been accomplished, affairs proceed at the individual
discipline of the participants. It is considered a point of form, how-

ever, to aim more at the walls and ceilings than at the floor, since the

loose foodstuffs may impair footing. If soup is served, it should be

thrown by the ladle-full. Canteen

soup by the tureen, although a

trick of social grace, requires much

practice to perfect. Beginners should

counter themself with having inten

tions of the entire and an occasional

side-dish. If you desire a

dish at the far end of the table, you

should ask that it be passed. If you

reach for it, you may disrupt the

aim of your table-mates. Paper

napkins, if wadded and saturated

with iced tea, become ideal projec-

tiles. Heavily buttered dinner rolls

are also very good. Let your

imagination run wild.

A complete treatment of the

proper approaches to beverages

would require several pages. While

on this subject, most experts agree

that it be passed. If you

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Garble Tom Headweak

by David Miller

There are days, thought Garble Tom Headweak, when it is a definite mistake to get out of bed. Unfortunately, there is no early warning system. This morn­ ing Garble Tom Headweak had been going to his office at noble Matador College when he saw a young man and said, "Can I help you? Are you looking for something?"

And the young man replied, "Nah. I'm just the place. Gonna hijack it to Algeria."

"I'm afraid you're a little confused. This is Matador College, and we don't have any airplanes here. Besides, such an act..."

"Doesn't matter. Gonna hijack the whole place."

"But college can't fly!"

"That's the brilliance of the scheme. The FBI will never suspect until it is too late."

"Brilliant!"

The young man made a gesture reminiscent of Johnny Carson querying his audience. "Please, no higher praise is necessary."

Garble Tom thought very fast. "All right, go ahead if you must, but I wish you would. You see, we don't have a lot of biological research here, and we have a lot of delicate plants and animals that couldn't stand flying at high altitudes in unpressurized laboratories. If you hijack us to Algeria, it will be a terrible loss to our campus for religiously pure science."

"I didn't know. But what'll I do? I gotta hijack somebody."

"You're the only other side of town is a place called Cow Tech, and at Cow Tech is a place called Dabless House. Darwin Horatio was back, and he had been intending to do this morning was to look at a computer print-out of the current financial condition of the Worldly Church of God. But he knew something was wrong when he was the first page said, "Program enlarged and confused for error checking." The rest of it was incomprehensible, so he ran to the University's computer room to ask Bill Kik-kyu Noshotobi, the Matador College expert.

She was in the computer room, and when he asked her what was wrong, she took the three cigarettes out of her mouth and whispered an incomprehensible message to the central processing unit, which typed out on the console typewriter, "CHOKE! WHEEZEE! GASP!" as she answered, "We figured that if we put the operating system in backwards and the compiler in sideways, it would work faster."

"Silly!" I thought any computer program was sort of a long string of instructions, so how could you put it in side­ways?"

"You're right, it isn't easy to watch this."

Continued on Page Eight

Water Polo Upsets PCC; Alumni Game Saturday

by Bob Kieckhefer

Caltech's water polo team scored a major upset last Wednesday by beating PCC 6-2. The following Saturday the odds-makers prevailed, however, as Cal State L.A. swamped them, 6-1. These results bring the team's won-lost record to 3-5.

PCC was so confident of victory over the Turtles that their second team started the game. Russ Deziderio and Howard Bubb each scored twice for Tech in the first quarter, putting the Lancers behind 4-1. PCC's first team played the second quarter, but could only narrow Tech's lead to 4-2.

Too Bad, Nick

Tech's defense did a good job of defending the deep-end goal in the third quarter, but PCC managed to tie the score at 5-5 by the end of the period. Both teams made many mistakes in this quarter, with a missed penalty shot hurting PCC the most.

Virgil Shields did a tremendous job in the goal, holding PCC scoreless in the last quarter. Deziderio scored on a penalty shot early in the quarter to give Tech a 6-5 lead. PCC's repeated attacks failed to score, giving Tech the hard-earned upset victory.

In addition to Tech's defense, the team managed to score three goals in the last quarter. Russ Bubb scored on a penalty shot early in the quarter to give Tech a 6-5 lead. PCC's repeated attacks failed to score, giving Tech the hard-earned upset victory.

CSULA - Bad News

Last Saturday California Tech L.A. jumped to an early 3-0 lead, as their faster swimmers completely dominated the sleepy Turtles. (Too much action on Friday night in Pasadena?) [What action? - Ed.] Tech held the Diablos scoreless in the second quarter, but could not generate any offense.

The second half continued to be a defensive contest, highlighted by Virgil Shields blocking a penalty shot. Cal State added two goals in the third quarter and one in the fourth. Tech finally got on the scoreboard when Steve Bidano scored on a penalty shot with a minute left in the game.

Ticket Out, Alumni

SCIAC competition started yesterday afternoon with Tech playing at Claremont-Mudd. Tomorrow at 4:00 the Pomona College team will be in Pasadena, the Turtles hope to revamped their loss to U.S. Magnetics in the UC Riverside Tournament. Saturday morning at 10:30 Emery's old men (if they're awake) will take on Beck's young punks (if they're awake) in the annual Alumni game. The water polo schedule reaches a high point next Wednesday, as the Turtles will make the traditional pilgrimage to San Diego to take on UCSD.

Softball Scores

Thursday, Oct. 12

Lloyd 10, Ricketts 4
Fleming 3, Ruddock 2
Friday, Oct. 13
Page 6, Blacker 0
Dabney 9, Fleming 8
Monday, Oct. 16
Fleming 3, Ricketts 1
Page 18, Lloyd 1
Tuesday, Oct. 17
Page 4, Ricketts 0
Black 8, Ruddock 4
Wednesday, Oct. 18
Fleming 2, Blacker 0
Dabney 5, Lloyd 4

JOHNNY RIVERS and the L.R.R.E.G.A. BAND

Casey Kelly

coming next

Kris Kristofferson

with RITA COOLIDGE

Good Weston's

Troubadour

How Thru Oct. 22

"One of the most daring, original, and totally fascinating pictures ever made."

Winner - Special Jury Prize Award at 1972 Cannes Film Festival

"Kurt Vonnegut, Jr.'s"

Slaughterhouse Five

Available at Box Office - Mutual - Liberty - Ticketron Agencies

Music by Elton John

Continued on Page Eight

Winner - Special Jury Prize Award at 1972 Cannes Film Festival

"One of the most daring, original, and totally fascinating pictures ever made."

Kurt Vonnegut, Jr.'s

Slaughterhouse Five

Available at Box Office - Mutual - Liberty - Ticketron Agencies

Music by Elton John

Continued on Page Eight
The Beavers' cross country team lost a close dual-meet competition to Claremont-Mudd last Friday on the Stags' home course. The final score was 24-31.

Greg Griffin finished second again this week over the course at Mt. San Antonio Junior College. First place went to Wayne Akymara in a time of 21:27. Griffin finished 40 seconds later in 22:07.

Griffin again ran a very strong race over an extremely tough course. Each meet he continues to show improvement, and this was his best race of the season.

Scott Matthews finished fourth in 23:05, followed in 6th place by Al Kleinsasser, 23:35; Ralph Hayard, 9th, 23:30; and Tom Herman, 10th, 27:52. Erik Hornely, suffering the effects of a cold, finished 11th in 29:08.

Overall, it was a fine showing by the Caltech Harriers. This weekend the team will host Whitman on its own course for the first home meet of the year.

Except for Kleinsasser, this was the first experience for the team over the rugged Walnut Valley Course reputed to be the most difficult in the area. The experience should be valuable to the Techs as the conference championships will be held at the same location in early November.

The team's season mark stands at 1 win and 4 defeats.

Accurate statistics are listed first.

Yards passing 64 187 Yards rushing 57 115

Yards penalized 48 40 First downs 9 11

Yards passing 64 187 Yards rushing 57 115

Yards penalized 48 40 First downs 9 11


Five More Softball Games

Friday, October 27
Cross Country Ruidoso
Away

Friday, October 20
Cross Country Whittier
Away

Friday, October 20
Water Polo Auto
Away

Thursday, October 21
Soccer Whittier
Away

Wednesday, October 25
Soccer Pomona
Away

Student Special - 1/2 Price!
(with mail order coupon or ticket at box office)

Barrett throw from the pocket against LaVerne. Pass was complete to Greg Hoyt for a first down, one of 9 the Beavers made last Friday. Other plays were less successful, however, as LaVerne triumphed, 18-3. Come out and see Saturday's homecoming game against the Cal Lutheran Frosh! Photo by Planey
Binkley Interview

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Binkley stressed his differences with McGovern on this issue, stating that he did not believe in a 90 day pledge or similar completely unilateral action.

He also stressed his differences with McGovern on amnesty: “I believe in two years of national service, as for E.O.'s.”

What effect will McGovern's candidacy have on Binkley's race?

“I am running as a Democrat, but I am actually running independent of any other candidates.”

Binkley admitted that closely identifying his campaign with McGovern's might hurt him at the polls, but maintained that political considerations were not the only reasons for not tying his campaign to McGovern’s. “I don’t agree down the line with McGovern, or with Nixon for that matter.”

“I respect Nixon for his accomplishments with China and strategic arms limitations. However, Binkley finds Nixon less persuasive, please contact the Placement Office, 8 Dabney Hall, to arrange for an appointment.

Red Cross Wants Your Blood

The Red Cross/Calftech Blood Drive is holding a Blood Drive on November 10, 11:00 a.m. to 3:30 p.m., in Dining Lounge. Sign-ups are located in the Student Houses. Those who gave last year are invited to give again.

For more information, contact John Land (Fleming), Greg Simay (Ruddock), or the Personnel Office, extension 2374.

Presidential Science Advisor To Give Seminar

“The Funding of Science in the Next Decade” will be covered by Dr. Edward E. David, President of Caltech.

Student Houses. Those who gave last year are invited to give again.

“Why are your chances? We’re probably running very close right now. The 20% to 30% undecided voter will throw it one way or another. We’ve been finding 60% to 70% undecided in Republican precincts.”

“Of course, I knew Boris intended it to be symbolic in the way he would step where the floor was laid out alternating black and white squares and then step forward two squares, and then just go along one square at a time. I read that in a magazine, said there were too many Knights going Backward. I’m the king, of course.”

“My campaign is fantastic . . . For the first time in the history of the district, it’s a close race.”

Garbled Tom

Continued from Page Six

going to have the most famous optical fibers have all these cameras around driving and I was right.”

“Conventional wiring will be outmoded for high data rates and optical fibers will replace them because they can be accommodated—optically—inside a pipe less than one inch in diameter.”

The reason optical fibers can carry much more information than metal wires is that information capacity increases with the frequency of the carrier wave and the frequencies of optical waves are much higher (by a factor of about ten thousands) than that of electrical currents now.

“Glass fibers not only are much more efficient, they also cost much less than copper or aluminum wiring and are far lighter in weight.”

Dr. Yariv added.

This new mode of communication is now waiting for the development and invention of new “integrated optical circuits” which will serve as the transmitters whereby the information is launched onto the fibers, and recover where it is recovered. These components must be miniature so they can interface with the microwave fibers, yet be capable of performing the basic optical functions of light generation, guiding, modulation and detection.

Fibers Replace Metals

Optical fibers carrying laser beams “piggyback” for long distances and around corners will gradually replace electrical cables in communication systems, Dr. Amnon Yariv, professor of electrical engineering, said yesterday.

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