Jazz with Akiyoshi and Tabackin

Akiyoshi-Tabackin "Together" features Toshiko Akiyoshi and her husband, Lew Tabackin, performing separately with their trios, Saturday, Oct. 15 at 8 pm in Beckman Auditorium.

Together, Akiyoshi and Tabackin are known for their big band jazz. Opening the show, Akiyoshi displays her keyboard work. Tabackin is featured in the second half on woodwinds. All will fuse into a quartet format for the show’s finale.

Akiyoshi has been involved in the world of jazz as a pianist, composer and conductor. Her involvement in music began at the age of six, when she studied piano and learned the classics. Since that time, she has formed several bands, including the big band co-led by her husband.

Tabackin, who specializes on flute and tenor sax, is an alumnus of such TV studio groups as Doc Severinson’s “Tonight Show” band and Bob Rosengarden’s band on the “Dick Cavett Show.”

Tickets to this concert are priced at $13.00-12.00-11.00-10.00; students $1 off. They are available at the Caltech Ticket Office, 332 S. Michigan Ave. For information, call 356-4652.

Tech Wins Opener

27–21 over Bengals

by Ath Mas at Large

The Caltech football team opened another season of exciting Beaver football with a dramatic, come-from-behind victory over the Northeast Bengals last Saturday.

The Beaver trailed 21–13 in the fourth quarter before Beaver quarterback Phil Scott hit receiver Larry Sverdrup with a short pass. The nearest Bengal defender overran the play, and Sverdrup was able to stay one step ahead of him for the remaining 50 or so yards to the end zone.

The Beavers then attempted a two-point conversion. On the play, Phil Scott was hit at the line and conveniently fumbled it into the end zone where James Neitzel recovered it for a successful conversion and a tie game.

With about two minutes left, Vincent Riley picked off a Bengal pass and returned it to the Bengal 30 yard line. The Beavers moved to the 7, from where Phil Scott threw a pass into the end zone and Jonathan Brown, who was playing in his first live football action in almost a year, made a fantastic catch for an offside score, his second touchdown of the day.

Candida opens tonight in Dabney Lounge.

Above, Candida and James Morell, played by Rosanna Gatti and Peter Jones.

Left, A family portrait: Clockwise from bottom, Jerry Burck, Shevaun Duiker, Tony Dobrovolski, Peter Jones, Simon Davies, Rosana Gatti.

Showtimes
October 7 8:00 pm
October 8 3:00 pm
October 9 8:00 pm
October 14 8:00 pm
October 15 8:00 pm
October 16 3:30 pm

Movies
The Grey Fox

The film The Grey Fox invites comparison to two previous films of note, Butch Cassidy and the Sundance Kid, and The Shootist. All three films deal with the End of the West, the closing of that chapter of American history that is so celebrated in song and story. Of the three, I currently feel that The Grey Fox may be the best, even if it may never be the most popular. After all, John Wayne and Robert Redford have a lot of popular momentum compared to Richard Farnsworth (star of The Grey Fox).

The Grey Fox deals with changing times and personal obsolescence. Its main character, Bill Miner, is a highly specialized professional: he rob stagecoaches. After spending 33 years in prison, he was released into a world in which the stagecoach was a quaint relic, a world of trains and motorcars. He has a choice between two new trades: robbing oysters, or robbing trains.

continued on page 4
by Zobi-Wan

To my considerable pleasure, the new mode of thought advanced by this column two years ago has caught on with such remarkable success among the cognoscenti that another series of articles along similar lines is only too apparently in order. Now, as then, my sole objective will be to demonstrate that common sense is not only logical, but also, as the title of the column suggests, made possible because it is more intense and therefore concrete proofs possess absolute validity. "Proof positive" serves as the perfect catch phrase for this mode of thinking. It is not sufficient to make one utterly positive. Intuitions of a problem ranks as Trivial, a proof, and only a paradox can confirm a proposition's validity. Theorems have at last found its true worth.

Permit me one caveat at this point: This column will treat serious problems and their serious solutions, and serious solutions' serious proofs. It is not intended as mere diversionary recreation. It cannot, nor will it attempt to, provide solutions to such pressing questions as:
- If the World Series convergent or divergent?
- What's the difference between a duck? A goose?
- How many pancakes does it take to cover the roof of your doghouse?

On the other hand, it may be recalled that in the past we developed a quite satisfactory solution (and its accompanying rigorous proof) to the perennial question of where the pickled peppers Peter Piper picked is. We also assigned an actual value to how much wood a woodchuck could chuck if a woodchuck chuck wood. The relevance of these latter questions vis-à-vis the former should be painfully obvious.

The reaction to this incident was strong. In Lloyd, people were upset once the facts became known to them, once they knew one person had nearly been injured with fireworks, that another was physically abused—there is no other word for it. Concerned members of our house discussed this incident for some time afterward, and it is fair to say that Lloyd House did not in general find any of this funny or amusing. When a person or a group of people pulls an RF such as this, they have a responsibility to understand and anticipate how the intended victim will see the so-called pranks. If that victim doesn't see it as a joke, he has a right to not have to expect to be made a victim. Responsible, thoughtful people in general do RFs on strangers or non-friends.

At the heart of this problem is the attitude on the part of Fleming, and to a lesser extent, Page, toward the other students on campus. Do not make the mistake of thinking that there are only one or two individuals responsible for this and other incidents. They are the product of house attitudes. Aside from the above considerations, I believe it is time to re-examine our existent "morality Code" and the enforcement of the Code. There is a great deal at stake here. It is my concern that future incidents such as this be prevented as much as possible. I really think that this is within the domain of the Master of Student Houses. I would think it entirely appropriate for the Master of Student Houses to inform any and all those concerned that this is a community of responsible, intelligent adults, and that those who repeatedly demonstrated that they cannot behave in this way will be expelled from campus, put on leave of absence, expelled or in some other way removed from the environment in which they do not belong.

We definitively do not seek to increase the tensions between Lloyd, Fleming, and/or any of the other houses. I think the protection of the rights of all individuals is more important than anything else. Ideally, I would like to see both sides of these things, I think the initiative lies with Fleming and Page. If we do not, we may soon find ourselves in a situation similar to that of other campus house.
Come to the
Big T meeting,
today at 7:30 in 125 Baxter.
Come one, come all. No experience needed.

We need artists for cover art, photographers to cover this year's events, writers to explain the pictures, and other creative people to make this year's yearbook the best ever seen by Caltech.

If you saw last year's yearbook and thought that it could be improved, then come and join the Big T staff for this year's book.

---

The Inside World

Blacker: The addition of 24 freshmen to the house of Blacker makes a total of 69 men and 14 women in the house, including off-campus members. There will be a picnic for the frosh on Sunday at the Master's house.

--- Ken Hahn

Dashney: Yes, the Darbs are all back and ready for another year of Tech, together with a super bunch of new freshmen, just as ready to share in the fun.

Our first social event went off with a bang Sunday night. While other houses' frosh were getting showered, the new Darbs were treated to champagne. Elusive Trails played some traditional Darby tunes, together with some new ones, and there was lots of dancing in the courtyard. Many freshmen discovered the delights of the Green Elephant Bar. It gave us all a real feel of community, as well as being just plain fun.

The freshmen have elected their frosh rep. and it looks like there'll be plenty of paper for the Frosh Bonfire if Ralph Wolf can get them all organized! Wednesday saw the first offer of $140 to the frosh who can name all the upperclassmen. So far, no winners.

--- Bill Callahan

Fleming: As soon as 7:00 Sunday arrived, the upperclassmen welcomed the new frosh in with a blast, both literally and figuratively, as the cannon was fired and a party was started. A little later, the Fleming Musical Appreciation Society went on tour through the other six houses and the Annex.

After Monday's formal dinner, the frosh were introduced to their pledgemaster, Mike Baumer. Mike informed the frosh as to their rightful place. Shortly thereafter, Mike was introduced to fire safety equipment instead. Thus the frosh were washed again.

Tuesday evening, Fleming's president, John Sahr, and head waiter, Scott Stephens, were given the Grand Tour of all 22 showers by a mob of surly frosh.

--- Scott Rowland

Page: Page House has finally settled down with its selection of forty-seven of the best of wimpy frosh. Rotation week ended with a bang as the "Nice House" syndrome was washed away by fire extinguishers aimed at the Flems, and the rousing "Lloyd sucks" chant. Soon, Page's new R.A.'s Cheryl and Doug Schmidt will be formally welcomed to our humble dwelling.

--- Lisa Cummings

Lloyd: No entry

Ricketts: As usual, the Freshman class has moved into Ricketts and was properly sanitized on Sunday night. Later on that night the number of people playing four-square exceeded the capacity of the courtyard so there was another game started in Blacker courtyard while the majority of the Moles were out ponding their president. Unfortunately, the remaining Moles apparently were not fond of athletics and decided to spend their time testing fire safety equipment instead. Thus the frosh were washed again.

The freshmen failed the traditional obligation to give selected upperclassmen a grand tour of the showers of the house. After only three of ten showers, the freshmen decided that picking rooms was much more interesting than carrying around a shampoo covered wimpy frosh. Rotation week ended with "Lloyd sucks" chant. Soon, Page's new R.A.'s Cheryl and Doug Schmidt will be formally welcomed to our humble dwelling.

--- Bob Bolender

Ruddock: 23 new frosh are carrying around Harlequin Romances and reading to upperclassmen as part of Hassle Week, 1983. Each night this week, they have completed their assigned tasks to receive clues to the identity of their pledgemaster. If they can identify the pledgemaster and get him off campus by midnight tonight, they are free to do as they wish to him. Von frohe are wimps!

--- Ken Whang

---

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Faculty, Grad Students, Attend!

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Grey Fox

from page 1

Bill meets and falls in love with another person caught in the change of the century, a woman trying to be treated as a human being and a skilled professional. He is befriended by a man who is a loser in both worlds, and runs hard up against the 20th century.

Richard Farnsworth, Jackie Burroughs, and Wayne Robson provide outstanding characters, worlds, and runs hard up against human being and a skilled professional. He is befriended by a woman trying to be treated as a human being.

It's basically an ordinary change of the century, a rational music was heard last year at Beckman Auditorium. The Grey Fox has one real advantage over Butch or The Shootist: it's basically an optimistic film, rather than a film portraying frantic gaiety in the face of doom (Butch) or resignation (Shootist). In The Grey Fox, at least you get the idea that happy endings are possible some of the time, even if not everybody gets to enjoy them. That possibility is something that everybody needs, at least once in a while. Go see The Grey Fox if you can.

The idea' is that happy endings are possible some of the time, even if not everybody gets to enjoy them. That possibility is something that everybody needs, at least once in a while. Go see The Grey Fox if you can.

Saturday at Beckman

Bella Lewitsky

West Coast choreographer Bella Lewitsky opens Caltech Public Events' 20th anniversary season, Saturday, Oct. 8 at 8 pm in Beckman Auditorium.

In "Bella Lewitsky: The Woman and Her Art," Lewitsky shares her memories, experiences and concepts of dance. Highlighting this program, designed for Caltech, will be excerpts from the Lewitsky Dance Company's repertoire. As a choreographer, dancer, lecturer and educator, Lewitsky has been active in the development of dance throughout her career. She has founded or co-founded several dance companies, the most recent being the Bella Lewitsky Dance Company.

Through the National Endowment for the Arts' "Artist-in-Schools" program, Lewitsky has developed her concept of using movement as a tool for teaching children to learn. She believes that this should be as much a part of the learning experience as reading and mathematics.

Caltech student tickets to this event are priced at $6.50-6.00-5.50. Caltech student rush tickets for $4.00 each will go on sale beginning one hour prior to performance time at the Caltech Box Office. Tickets may be purchased at the Caltech Ticket Office, just for information, call 446-52.

SURF Presentations

Saturday, October 8 is SURF Seminar Day. Students will give 20-minute presentations on their summer research projects between 1:30 and 4:30 pm at various locations on campus. Following is a sketchy listing of the project topics discussed in each session.

Session I, 102 Spalding, topics in physics, mathematics, astronomy, literature, and computer science.

Session II, 104 Spalding, topics in engineering and applied science.

Session III, 106 Spalding, topics in electrical engineering, applied physics, and physics.

Session IV, 125 Baxter, topics in physics and applied physics.

Right Brain Labs

Are left-lobe Techers destined to go through life on half a brain? Unless they energize the right hemisphere, the answer seems to be yes.

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New York University Visits Your Campus to Answer Questions on the M.B.A. Program

Located in the heart of the Wall Street area, New York University's Graduate School of Business Administration has trained students for executive positions for over 60 years. A recent survey by Standard & Poor's ranked New York University number 2 nationwide in the source of graduate education for chief executives in major companies. On Wednesday, October 12, an admissions officer will be on campus to discuss the quality and flexibility of the graduate business program. Check with the Office of Career Development for sign-up schedule and further information.

The Rand Graduate Institute (RGI)

Invites applications for its doctoral degree program in policy analysis. Deadline for submitting applications for 1984-1985 is February 1, 1984. RGI is an integral part of The Rand Corporation. Its curriculum consists of interdisciplinary study, combined with on-the-job training (OJT), leading to the award of the Ph.D. in Policy Analysis. Students receive OJT support equivalent to doctoral fellowships. The Rand Graduate Institute is fully accredited by the Western Association of Schools and Colleges.

A master's degree, or equivalent post-bachelor's degree training and experience, is required for admission.

A representative of the Rand Graduate Institute will be at the Career Planning Center (10 Dabney Hall) on Wednesday October 12, 1983.

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ASCIT Notes

There will be an open meeting on Wednesday, Oct. 12 at 9:30 pm in Winnett to discuss the upcoming Faculty-Student Conference. Groups of students are presently working on specific problems which were mentioned in previous conferences in the hopes that we will be able to report on the progress made toward solving these problems rather than simply reiterating that they exist. All presently in charge of a group should be at the meeting prepared to make a progress report and all interested in joining a group or just listening to the ideas presented are urged to come. We need lots of help and interested people.

Columbia University
Fellowships and Associateships

Minority Engineers

One hundred and fifty fellowships will be awarded to minority students for 1984 by the National Consortium for Graduate Degrees for Minorities in Engineering, Inc. The Consortium, organized in 1976, is a joint venture of forty-two industrial/governmental laboratories, forty engineering colleges and four-year universities that have joined together to provide opportunities for minority students to pursue master's degrees in engineering.

Candidates for participation in this program will be selected from the following American citizens: American Indian, Mexican-American, Black American and Puerto Rican. At the time of application, the minimum academic requirement for the student is enrollment in the junior year of undergraduate study in one of the engineering disciplines. Those presently in their senior year, or recently graduated, are also encouraged to apply. An applicant's record must indicate the ability to pursue graduate studies in engineering at a member university.

Each fellowship pays tuition and fees at a member university and a stipend of $5,000 for the academic year, as well as provides summer employment at a member research laboratory. The deadline for application material for consideration for 1984 is December 1, 1983. For further information contact: Howard G. Adams, Graduate Engineering Fellowships for Minorities, P.O. Box 537, Notre Dame, Indiana 46556

NSF Grad Fellows

The National Research Council will again advise the National Science Foundation on the selection of candidates for the Foundation's program of Graduate Fellowships. Final selection of Fellows will be made by the Foundation, with awards to be announced in March 1984.

As one means of aiding the progress of science and engineering in the United States, NSF Graduate Fellowships will be offered to individuals who have demonstrated ability and special aptitude for advanced training in science or engineering. Subject to the availability of funds and to sustained academic progress, new fellowships will be awarded on a competitive basis to individuals who have demonstrated ability and special aptitude for advanced training in science or engineering. Subject to the availability of funds and to sustained academic progress, new fellowships will be awarded on a competitive basis to individuals who have demonstrated ability and special aptitude for advanced training in science or engineering.

The annual stipend for NSF Graduate Fellows will be $8,100 for a twelve-month tenuring period.

NSF Graduate Fellowships are intended for students at or near the beginning of their graduate study, and will be awarded for study or work leading to master's or doctoral degrees in the mathematical, physical, biological, engineering and social sciences, and in the history and philosophy of science. Eligible applicants will, in general, be college seniors or first-year graduate students who, at the time of application, have not completed more than 20 semester/30 quarter hours, or equivalent, of study in any of the aforementioned science and engineering fields following completion of their first baccalaureate degree, or its equivalent.

Applicants will be required to take the Graduate Record Examinations (GRE) designed to test aptitude and scientific achievement. The examinations will be given on December 10, and the Foundation will pay December 10 test fees for fellowship applicants, providing NSF application is the primary purpose.

The deadline date for the submission of applications for NSF Graduate Fellowships will be November 23, 1983. Further information and application materials may be obtained from the National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

NRC Postdocs

The National Research Council announces the 1984 Postdoctoral Research and Cooperative Research Associateship Program. Approximately 250 new full-time associateships will be awarded on a competitive basis in 1984 for research in chemistry, engineering, and mathematics, and in the earth, environmental, physical, space and life sciences. Most of the programs are open to both U.S. and non-U.S. nationals, and to both recent Ph.D. degree holders and senior investigators.

Awards are made for one or two years; senior applicants who have held the doctorate at least five years may request shorter tenures. Stipends for the 1984 program year will range from $24,500 a year for recent Ph.D.s up to approximately $50,000 a year for senior associates.

Applications to the National Research Council must be postmarked no later than January 15, 1984. Initial awards will be announced in March and April followed by awards to alternates later.

Information on specific research opportunities and federal laboratories, as well as application materials, may be obtained from Associateship Programs, Office of Scientific and Engineering Personnel, JH 608-11, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418, (202) 334-2766.

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announcements

Attention Seniors!

Essays for the Watson Fellowships are due on Friday, Oct. 21. Seniors interested in applying for these travel fellowships should contact David Wales or Chris Wood in the Deans’ Office, 102 Parsons-Gates.

Deadlines Approach

Fellowship/Scholarships Program Deadlines:
Los Alamos National Lab (10/1)
NSF Postdoctoral Fellowship Program (11/1)
National Endowment for the Humanities (11/5)
American Scandanavian Foundation (12/1)
For applications and information, drop by the Career Development Center, Room 8, Parsons-Gates.

Techer Diplomats?

Mr. Raymond Gonzalez, a Foreign Service Officer with the Department of State, Washington, D.C., will be on campus on Thursday, October 13, 1983 from 9 am to 12 noon to talk to students interested in a Foreign Service career. Come to the Career Development Center, Room 8, Parsons-Gates to make an appointment.

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*Students in appropriate Physics and Chemistry disciplines may also apply.

Guitar Classes

Caltech actually offers guitar classes, taught by classical guitarist Darrel Denning. Mr. Denning has had an international performance career and has recorded extensively. In fact, his latest recording, "Two Worlds of the Classical Guitar", is supposedly available at the Bookstore now.

In any case, the guitar classes are on Tuesdays in Fleming Music Room and are free to Caltech students and other members of the Caltech community (space permitting for the latter). Classical and Flamenco repertoire will be taught but techniques gained can be used in other forms of guitar as well. The schedule is as follows:

Beginning: 4:30-5:30 pm Intermediate: 3:30-4:30 pm Advanced: 5:30-6:30 pm Undergraduates can receive 2 units of academic credit (PA?) if they choose. Students should bring their guitars. Private instruction on any level can also be arranged. For further information, call Mr. Denning at 465-0881.

Lights, Camera...Action

The Caltech Film Workshop is looking for amateurs (directors, cinematographers, special effects wizards and those interested in learning the art of filmmaking). Meetings are held every Wednesday at 5:30 pm in the Muir Commons lounge. This could be your big break, so come on by. Contact Dave Hayes at x3971 or Joel Harris at x9314 for more info. Cut! Print it!

Russian Workshop

The Caltech/JPL Russian Language Workshop will again conduct studies in the Russian language this fall. The workshop meets each Wednesday evening in Science Lab, room 110, from 7 to 9 pm. Membership is open to the Caltech community and friends. For more information, call Larry Max (JPL) 354-6748, or just stop by. Visitors are always welcome.

About the Health Center

Our hours during the school year are from 8 am Monday to 8 pm Saturday continuously while school is in session. Nurse Practitioners are available daily and a R.N. is on duty at all times. A physician is available daily, for appointments call x6393.

Appointments and walk-in services are available for the following: preventive health information, treatment of medical illnesses and injuries, lab tests, immunizations and allergy shots, gyn exams, birth control methods, acute clinic, nutrition information and infirmary care. Infirm­ ary services also offer you the opportunity to spend the night for any reason. You don't have to be ill or discuss your problem with us.

Current 1983-84 Health Insurance ID cards and brochures are also available. Everyone should carry a card with them for emergencies if needed.

We also have a lounge with a TV and stereo that you may use at any time, so here's an invitation to come over and get acquainted.

— The Health Center Staff

Sample Fogwater

Research group in Environmental Science is looking for students to help out in an air pollution study program in the San Joaquin Valley this winter. Work will primarily involve operating aerosol sampling instruments at various locations in the Valley, with a special emphasis on the sampling of fogwater at night.

This specific program will begin early December and last till the end of January. If you are available for a few weeks in that period, or for a few days each week, or something like that, give us a call as soon as possible. Our extension is x407: ask for the Fog Squad.

GSC Soccer Meeting

A meeting will be held on Monday, October 10 at 7 pm in the V lounge to organize an intramural soccer tournament for grad students, staff, and facult­ ies. Contact Barry Apple at x4931 for additional details.

Coffeehouse Opens

The Caltech Coffeehouse, home of thick shakes and high­ quality burgers, opens its doors for the 1983-84 school year tonight at 8 pm. The schedule for this year is 8 pm-1 am weekdays, 6 pm-midnight weekends.

For you frosh who don't know, the coffeehouse is located at 300 S. Holliston Av. That's the street the gradu­ ter houses are on. Just walk north and look for the red light. If you still can't figure it out, ask an upperclassman.

Doc says, "chon in," so y'all better show up, yer'hat?

CLAGS meeting

CLAGS will meet for the first time this year at 2:00 pm on Sunday in 210 Baxter. There will be a short organizational meeting covering projects and plans for the upcoming year, followed by a group discussion. All interested members of the Caltech community are welcome, and the meetings are confidential. For more information, call Teresa Solberg at x3771 or Josh Sussel at x3776.

Health Advocates

Applications will be available for the '83-'84 Health Advocate Program at the Health Center till October 12th. If you are interested in becoming a paraprofessional member of the Health Center, trained in common health concerns, health education, multi­ media skills and CPR, communication skills and willing to help your fellow student—apply now! 3 units credit PA 50.

Red Door Work­
Study

The Red Door Cafe is looking for undergrads eligible for work-study who are interested in working afternoon shifts (between 2 and 6 pm) at the Cafe. For more information contact Astrid Howard (manager) at x6158, x6259, or sign up on the list outside the Cafe on the second floor of Winnett.

Volunteers (both grad and undergrad) interested in staffing evening shifts are always welcome. Ask anyone working behind the counter at the Cafe for details.

Caltech L-5 Chapter

The Caltech L-5 is a local chapter of an international organization dedicated to the enlargement of the manned space program. We consist of Caltech students, students from other colleges, and also Pasadena community members. Our plan of action for this coming year is rather hazy at present, so workable ideas for chapter activities are very welcome. Everyone interested is invited to our first meeting, which will be held on Thursday, Oct. 20th, at 5:00 pm in the Coffeehouse.

Tech Staff

Meeting Today

12:15 in 128 Baxter. All are welcome. Bag lunches will be provided.

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