China Scholars to Give Seminars on Far East

What is Chinese Society really like today?

What is Mao's goal for China?

What are the trends in science and technology in Communist China?

Does China contain natural resources that the world will need?

Does Chinese youth have any new power since the cultural revolution?

What is the immediate future of Chinese International Relations?

What does the future hold for Taiwan?

China Scholars to Give Seminars on Far East

Senior Division Champions

Debaters Win Big

St. Louis, Mo., Monday -- Caltech debaters Bryan Jack and Bruce Seaman walked away with the senior division championship in the fourth annual Gateway Classic Collegiate Debate Tournament, held last Friday and Saturday at the University of Missouri in St. Louis. The Caltech debaters defeated a team from Washington University of St. Louis. The Caltech debaters defeated a team from Washington University of St. Louis.

Four Houses Vie for Interhouse Sing Trophy

by Roger Goodman

The Annual Interhouse Sing competition will take place tomorrow night, February 19, at 7:30 in Benedict Auditorium. Everyone is invited to attend this free event. The master of ceremonies will be Alumni Association Director James Bick, and the judges will be Professors Jennifer Lalellle and James Morgan, and Dean David Wood.

Four of the seven Houses will vie for a total of 12 members, in an attempt to win the trophy now held by Rollock.

In addition, the CAAC will be interviewing freshman applicants in their area are urged to leave their name at the Admissions Office.

Mahan Esterlberg, Caltech visiting professor of applied science, "The 1970 Clean Air Car Race -- Purpose and Results"

Michael Lineberry, graduate student in engineering science and captain of Caltech's 1970 Clean Air Car race teams, "Caltech's Entry in the Clean Air Car Race"

Wallis Kippel, Caltech graduate student in chemical engineering, and winner of the 1968 transcontinental electric car race, "Will Electric Car Ever Be Feasible?"

Are electric autos feasible? Can older cars be switched to low pollution fuel? What are the implications of the 1970s' hydrocarbon crisis? Can cars run on a hydrogen fuel cell?

A question and answer period will conclude the talks. One of the two clean air cars that carried Caltech's colors in the 1970 cross-country race will be on display outside the lecture hall.

News Briefs

Admissions Committee Seeks Student Help

Any students who are planning to be at home during the spring break and would like to assist in interviewing freshman applicants in their area are urged to leave their name at the Admissions Office.

Faculty members of the Admissions Committee will be interviewing during the weeks of March 15 and 22. While the committee can not guarantee an interview, it would appreciate the opportunity of drawing on undergraduate help.

Math Research Prize

Still Up For Grabs

A college student not enrolled in a course at Caltech who holds an advanced degree from a foreign university and who can document the existence of a research project to be carried out at Caltech, in which the student is the project's principal investigator, is eligible to win a $500 prize. The student is not required to be an American citizen. The $500 prize will be awarded to the student. The student is not required to be an American citizen. The $500 prize will be awarded to the student.
The Caltech Forum

Throop To Fall?

by millikan troll

The question as to whether the old building on Throop and OCA (Office of the Campus Architect) should shortly undergo a decision as to which of the oldest building on campus, Throop Hall. Several courses of action are being considered. First, a major amount of money could be invested in addition of a student center, which replaces the old building. But removal of the old building, if it is to be removed, is being downplayed, since such a move would be very expensive and would not solve the problem (Christmas tree trolley takes heart).

Throop survived last Tuesday's shake-fete with no structural damage. Cosmetic damage is another story, however. Most offices on the first and second floors sport cracks and patches where plaster used to be.

Study Abroad?

Several avenues of providing for Caltech students to study abroad are being explored. One would be to make use of overseas campuses of the Catholic University of America, which we are associated with. They have campuses in Germany and France. Another tack would be to take advantage of Caltech's membership in the American Council on Education. Staff, which operates summer sessions abroad are being explored. One possibility would be the American University of Rome and Singapore. The Staff, which operates summer sessions abroad, is being considered. They have campuses in Germany and France.

Proposition 18

Opponents of Proposition 18, the controversial gasoline tax revenue-sharing amendment defeated in last November's election, adopted proponents of the measure by about 2 to 1 according to figures released by Sacramento, California. Opponents of Proposition 18 were: San Francisco Standard: 28,263, 28,076, 25,876, 21,290, 20,932, 19,923, 18,077, 16,000, 14,620, 14,010, 13,910, 13,791, 13,678, 13,570, 13,500, 13,000, 12,950, 12,875, 12,800, 12,700, 12,600, 12,500, 12,400, 12,300, 12,250, 12,200, 12,000, 11,900, 11,800, 11,700, 11,600, 11,500, 11,400, 11,300, 11,200, 11,100, 11,000, 10,900, 10,800, 10,700, 10,600, 10,500, 10,400, 10,300, 10,200, 10,100, 10,000, 9,900, 9,800, 9,700, 9,600, 9,500, 9,400, 9,300, 9,200, 9,100, 9,000, 8,900, 8,800, 8,700, 8,600, 8,500, 8,400, 8,300, 8,200, 8,100, 8,000, 7,900, 7,800, 7,700, 7,600, 7,500, 7,400, 7,300, 7,200, 7,100, 7,000, 6,900, 6,800, 6,700, 6,600, 6,500, 6,400, 6,300, 6,200, 6,100, 6,000, 5,900, 5,800, 5,700, 5,600, 5,500, 5,400, 5,300, 5,200, 5,100, 5,000, 4,900, 4,800, 4,700, 4,600, 4,500, 4,400, 4,300, 4,200, 4,100, 4,000, 3,900, 3,800, 3,700, 3,600, 3,500, 3,400, 3,300, 3,200, 3,100, 3,000, 2,900, 2,800, 2,700, 2,600, 2,500, 2,400, 2,300, 2,200, 2,100, 2,000, 1,900, 1,800, 1,700, 1,600, 1,500, 1,400, 1,300, 1,200, 1,100, 1,000, 900, 800, 700, 600, 500, 400, 300, 200, 100, 0


Ed Hedgcock

Rebuts Handte

The figure in the April 17, 1971 edition of the Tech, Malcolm Handte suggests that a direct "tax on people" might reduce the rate of population growth favorably affect its pattern.

Unfortunately, Handte is vague on the nature of his tax. In a parenthetical comment, he considers an annual head tax of $500 and remarks that such a tax would provide as much revenue as the federal income tax now provides. I assume that this is roughly the type of tax Handte has in mind and that Handte intends that the parents of minors be held responsible for their children's taxes. Handte believes that the graduated income tax, and, in particular, personal exemptions, contribute to overpopulation. Consequently, Handte would alter the federal income tax, in such a way as to make it compatible with the spirit and the revenues of his new tax.

Handte is attempting to alter the pattern of reproduction by changing the tax structure. By levying a regressive tax, he hopes to limit family size, especially in "lower socio-economic groups." The direct effect of Handte's head tax is to raise the fixed costs of living by the amount of his tax. The tax would supplement the already unavoidable costs of food, housing, and medical care. Preparatory financial pressures would make current family sizes undeniable, if not insupportable, for at least for the few affluent Handte favors in assuming, however, that these pressures would force the desired changes in reproduction. Equally, he underestimates the social costs of such a policy.

In order for Handte's tax to influence a couple's decision to have children, they must recognize the financial burden an additional child would place on them, and have access to contraception or abortion. Unfortunately, the groups that Handte is concerned with, such as the relatively poor financial deprivation is seldom the limiting factor in determining family size. If the burden of the tax is anticipated, the alternatives are either not understood or not available. Among the moderately wealthy, individual preference, and

Continued on Page Six

Notice to ASCIT Candidates: Statements for publication in next week's issue of the California Tech are due now on Monday, February 12, 9:00 p.m., in the Tech office in Winnett Center. Copy should be typewritten and double spaced. Under no circumstances can we accept late or handwritten copy.

—The Editor

ASCIT MOVIE: A FISTFULL OF DOLLARS with Clint Eastwood

FRIDAY: 7:30 p.m. and 9:45 p.m.

22 GATES Admission 50¢

How I Won the War

by Dennis Dibartolomeo

and Christopher Goldstein

We found one new man has been an intensively interested communal living in this county, particularly among the among the segment of the population. Some of the Commune here at Caltech have also been involved in this movement of interest and probably have equal to, a room question, than the average student or equivalent.

One of the first questions asked was: "What is the difference between communal living and just living on a campus with a bunch of other people; consider money?" The answer is that living together is the campus is absolute minimum beginning of what could be a "communal experience."

Greater Commitment

In theory one can only speak it general is, the difference is that there is a much greater commitment as to the part of the individual who would participate in communal living. Living together off campus generally requires agreement to share expenses, to be honest, and to show some minimal consideration for one's roommates. Commitment of those in a commune would go much deeper a personal commitment. Commitment of one's comrades, as well as the basic considerations of economic existence. This does not mean everybody has an emotional obsession, with everyone else; it does mean that you must keep a unified good feeling within the group. Disagreements between organizes of the commune are smoothed, and, hopefully, worked out by the unit as a whole. As it is. The solution, if not impossible, to qualify the experience of communal living with words. Those who have lived in a communal experience can attest to this without exception. To bring the real experience to interested persons at Caltech, a number of students are initiating a three-fold investigation of communal living with the help of the YMCA. All who are interested are heartily invited to attend the first meeting which take place every Wednesday at 2:00 p.m. in the Y Lounge.

The theory and we are planning to bring a Continued on Page Four

The Communal Living Theory and Practice
Jokipi Disputes Millikan

by Peter Beckman

Professor J. R. Jokipii told how even Nobel winning physicists are occasionally wrong when he spoke on "The Life History of a Cosmic Ray," at Beckman Auditorium Monday night.

He was referring to Caltech's own Robert A. Millikan who believed that cosmic rays were hard gamma rays. Today physicists know that this is not so. Cosmic rays are extremely energetic particles that travel at velocities close to the speed of light.

These rays cannot be created by normal stellar processes; instead, most scientists now agree that they are created by the titanic stellar explosions known as supernovae. These occur, on the average, every hundred years. As a sun explodes it hurl, protons, electrons, and nuclei away at tremendous velocities.

The result was that the gas with F-310 decreased emissions significantly. The company then conducted another test in the Pasadena area, randomly picking an assortment of autos whose owners did not use Standard gas already. The results of this test showed an average drop of 13.9% in hydrocarbon emissions. It also showed a gain in mileage of about 8%.

A question and answer period followed. When asked about allegedly misleading advertising practices employed by Standard Oil, in particular those starting Scott Carpenter, Dr. Barusch justified them by saying, "Most advertisements are gross exaggerations and these are not as flagrant as some of those on TV."

He also stated that Standard Oil supports large-scale public transportation. They did not support Proposition 18 because it diverted money away from highways. Standard Oil donated $75,000 to the defeating of the bill, the largest donation made.

The coordinator continued by discussing the history and development of F-310. He stressed that F-310 is a gasoline additive that allegedly cuts air pollution significantly. Dr. Barusch stated that Standard Oil originally initiated the research that led to the development of F-310 to try to eliminate the lead buildup in the engine valves. When valves have large lead buildups, lower gas mileage, occasional engine damage, and poorer combustion leading to more air pollution is the result.

When this additive was finally ready to market, the company was faced with a public demanding cleaner air, not valves. So the research group hired Scott Laboratories to test their gasoline containing F-310 against the worst polluting gasoline on the market.

Dr. Barusch stated that Standard Oil already had a product named F-310. The company was ready to market, the company was ready to market, the company was ready to market. When this additive was finally developed, it was named F-310. The company was ready to market, the company was ready to market, the company was ready to market.

F-310 Controversy Aired

by John Tristano

Dr. Barusch of the Chevron Research Company gave a speech on the history and development of F-310 at the Chemistry and Society seminar last Thursday. F-310 is the controversial gasoline additive that allegedly cuts air pollution significantly.

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Interesting Courses Offered

by millikan troll

Registration for third term is now open to anyone. A undergraduate who (if they haven't already) receive the official course schedules from the registrar. They should send in their addenda list with any changes they accompany pre-registration.

Three changes should be noted which are not included in the schedule of classes. PS 115 (Seminar on National Security) with Dr. Elliot will be offered in the second term, and will be a 220th (Ring Theory) with Dr. Zierler. A new course will be on urban economics and their possible solutions. (See the article on it elsewhere in this issue).

For the benefit of our readers, especially freshmen, we offer a list of some interesting courses available next term:

AY 2 Current Problems in Astronomy (3-0-6) - Dr. Cohen. Primarily aimed at juniors and seniors who are not astronomy majors, this course will deal with radio emissions from the sun, planets, interstellar gas, supernovae remnants, and quasi-stellar radio sources. For prerequisites, consult the instructor.

EE 3 Biophysics and Social Problems (2-0-4) - Dr. Salzinger. His topics may include such diverse matters as over-population, genetic engineering, distribution of limited medical resources, environmental pollution, biological warfare, and the ethics of human medical research.

CHE 10 Chemical Engineering Systems (3-3-3) - Dr. Garst. The principles of engineering, chemistry, and economics and their relationship to the needs of society are studied by means of topics like artificial kidneys, air pollution, saline water recovery, and fixation of nitrogen.

EE 5 Introduction to Linear Electronics (2-0-4) - A.C. circuit analysis and their characteristic in time and frequency domains, amplifiers, gain, frequency response, and the use of operational amplifiers to synthesize output functions of input voltages provide the grist for this course, an expanded version of the last three weeks of last year's version of EE 4. This course is being offered by the first time anywhere, and features Dr. C. A. Mead at the blackboard.

EN 11 Literature of the Bible (3-0-6) - Dr. Hallet Smith. The Old Testament, the New Testament, and the Apocrypha are treated for their literary history. The interest of the reader may be stimulated by the use of new translations, is reviewed. Reading may include modern fiction, poetry, and drama dealing with biblical subjects. English 7 is a prerequisite.

Env 1 Engineering Problems of Man's Environment (3-0-4) - Dr. Brooks. Man's physical environment includes air, water, and land, all of which are vital for survival as well as for esthetic enjoyment. This course, this course, this course, this course, this course.

China

Continued from Page One

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Commune
Continued from Page Two
number of persons who are now or have in the past been involved in one or more aspects of communal living. This will include a Hopi Indian, a psychologist now living in a commune near Stanford University, which facilities various encounter groups, and possibly a member of the Synanon community of Los Angeles.

The second part of the program, now being developed, is a week-long communal experience in the Angeles National Forest north of L.A. We hope to build large plywood hemispheres in the wilderness to house about 20 people. This will take place during Caltech's spring break, and, though we know it is not entirely possible to develop a true sense of community by this experiment, we are hoping the participants will get together beforehand to work out some scheduled activities which may make up for this shortcoming.

Practice
The final part of the program consists of an actual commune, starting third term, in or near Pasadena. This will be in the Angeles National Forest, seemingly 15 to 20 persons, depending on what type of housing can be found. The living group will consist of non-Caltech students, possibly from PCC or Oxy. If you are interested in one or more of these activities, please drop by the YMCA and leave your name.

Courses
Continued from Page Three
explores the ways in which man is adversely changing his environment, how these changes are adversely affecting him and other forms of life, and methods of engineering control. Typical problems will include air and water pollution, solid and industrial wastes, harmful trace elements, thermal pollution, and land erosion.

IS 10 Introduction to the Use of Computers (1-2-3) - Dr. McCann

Provides one "culture" lecture a week on such topics as computer operating systems, machine languages, and computer modeling of a living system, and experience in solving problems on the computer.

PI 8 An Introduction to Social Psychology (3-0-6) - Dr. Nancy Beakel

Offers this course, which isn't even in the catalog. That just goes to show you . . .

Venus Theater
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Open 11:00 a.m. - 2:30 a.m. Daily
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For Sexy Info Call
"The Voice": 796-8118
Pasadena's most unique, daring, and controversial theater
The Experienced Adult Theatre
Where everyone can view the most avant-garde movies ever.

Featured this week: Feb. 16—22

Shooting Stars
Students admitted at a special discount rate
Free membership cards now available
A completely new show every Tues.

Seeing is Believing!

The Critical Ear
Different Strokes; Various Artists,
"Columbia AS 12"

This is the Whitman Sampler of Columbia/Epic pop groups. Nineteen artists are represented. While I don't think the cuts are necessarily the best or most representative for some of the artists, 57-plus minutes of music for 5.99 isn't too bad. This album seems to be part of a new Columbia promotion scheme aimed at letting you try before you buy. They also have included records with magazine ads, and they are starting a program where they send ten sample records for $3.00 (details in Different Strokes). It's nice to get some replacement for the listening room in the record shop.

Full Tilt Boogie: Janis Joplin,
"Columbia KC 30322"

A great album. Janis was not easy to record, but this album is a complete success.

James Henry

New Generation by The Chambers Brothers

This is an example of the great versatility in the style of The Chambers Brothers. There are some really fine cuts on this album. "Practice What You Preach" is performed in a style somewhat similar to that of Sly and The Family Stone. "Pollution" is styled after Edwin Starr's "War." "New Generation," the title song, is in a style similar to their own hit "Time." The rest of the songs are done with varying degrees of Latin Soul.

Smogless Cars
Continued from Page One

The meeting will be opened by Dr. Francis Clauser, chairman of Caltech's Division of Engineering and Applied Science. The program was arranged by a Caltech Engineers Week committee, headed by Dr. Roll Sabersky, professor of mechanical engineering.

AFROTC Seminar Explains Air Force Research Program

On Wednesday, February 10, Lt. David A Rice of the Advanced Metallurgical Studies Branch, Air Force Materials Laboratory, conducted a seminar presentation about the current research opportunities available to the United States Air Force.

Would You Believe?

1800' of recording tape for just one dollar? *

That's Right!

San Marino Hi Fi & Stereo
Under new ownership

Finest Equipment — Reasonable Prices

2986 Huntington Drive
(3 doors west of San Gabriel)

* as long as supply lasts
The 1971 Capri from Lincoln-Mercury beat everybody. It was named “Import Car of the Year” for 1971 by “Road Test” magazine.

Here are just a few of the things they had to say about the Capri.

“All of our staff had heavy exposure to the car during the months just passed, along with dozens of other imports, but despite this varied experience, our choice was unanimous.”

“...in some years it’s difficult to pick a single one that’s outstanding. That was not the case this time.”

“Remember that theoretically, Rolls Royce was just as much in contention for this award.”

“To find a match for the car’s roadability, you have to compare it with something much more expensive such as a Porsche 914 or a Datsun 240Z.”

“Now...available as an option the spanking new 100 horsepower, overhead-cam four...and that extra cost isn't much...$50 surcharge for the optional power. What you get for that modest sum is a Capri that will do zero to 60 mph in 11.8 seconds...without sacrificing much if any of the 24.5 mpg economy served up by the standard model.”

“...the Capri corners like a Siamese cat on sandpaper.”

“The four-speed gearbox with its fully enclosed 'rail' shift linkage stems directly from the LeMans-winning GT40 Fords.”

“No car at any price except the rare few that are equipped with genuine ZF boxes can compare for shifting ease with the Capri’s so-called 'rail-linkage' in the standard four-speed box.”

“...options include a three-speed automatic transmission...”

“Another surprising feature on a modest-cost, volume-produced engine (100 hp) is the use of twin-venturi Weber carburetion. Though probably not the same design, the six Weber 2V’s used on the 12-cylinder Lamborghini cost $1,800 to replace.”

“The Capri...represents a remarkable bargain...it offers outstanding value at any reasonable price—say, even $2,900 in standard form...would be a good buy with just normal handling characteristics.”

“There’s not much fault that can be found with the Capri, a tangible that caused us to choose it as our Import Car of the Year for 1971.”

Unquote.

The Capri. Under $2,500
mfrs. suggested retail price.
See your Lincoln-Mercury dealer for his price.
Particularity

E. Green Street

Cross is asking you

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from 7 p.m. to 12 midnight with

panics.

PLUS TOP EVENING ENTERTAINMENT!

---

- New act - Sadie: the Complete Sex Symbol, a 402 lb.

bottomless dancer

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What are I.H. Singers fighting for (in random act competition)?

A dinner for four at

PIZZA SPAGHETTI RAVIOLI

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SPAGHETTI RAVIOLI

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& TO 1 FRIDAY AND SATURDAY

What are more direct alternatives? Although the idea of reducing the size of families through education has been abused and often reduced to cliches in this democracy, it still is a tool for social change. Potential parents can learn that the quality of a family, material welfare aside, is not determined by mere size. Understanding that their personal actions shape and are shaped by man's total milieu, people will accept family planning, if they are in the minority. For instance, in the United States, people prefer to have larger families than they would if they were in the majority, but even in the majority, people prefer smaller families than they would have if they were in the minority. In a nation of 200,000 it may seem Pollyannish to talk of persuading individuals. Indeed, with respect to environmental pollution, racial discrimination, and inexorable military ventures, we cannot rely on such an approach. But in matters of individual behavior, however munificent are required, is a proper goal.
**Finest Moment**

Pomona Shafts Beavers 49-48

by John Tristano

The Caltech varsity basketball team enjoyed some of its finest moments during the past week. On Wednesday they defeated Redlands in a league game. The game was of special interest because the two teams each had won one previous league game, and if the Beavers could pull off the victory they would have their best record since 1903. The year they beat Claremont twice.

The game started off with both teams playing even, exchanging baskets throughout the half. The half ended with Redlands leading by two, 42-40. The second half started slow with the scoring even, but sporadic. Suddenly the Beavers caught fire hitting several shots in a row while fighting off a Redlands drive. The Beavers pulled ahead to stay with the team and fans jubilant at the final buzzer. They had done it, they had removed themselves from the basement for the first time in eight years.

Close, But

On Friday an enthusiastic Beaver team took on Pomona and Pomona. The entire first half was almost even; the point difference was usually no more than 5. The half ended with the Beavers down by 4.

When the second half started Tech controlled the opening tip. Gaining both the lead and the ball with 11 minutes left, they tried to force Pomona out of its zone defense in a slightly comical two minute stalling move. Pomona loosened its defense slightly and the Beavers hit an open man under the basket to take a three point lead.

Pomona called timeout and switched its defense slightly. They got a couple of missed shots by Tech and managed to work back up to a one point lead. The Beavers were not to be denied, however, and with 10 seconds left took the lead again 46-47.

Pomona called timeout to decide who would take that important shot. They chose the shooting star of their first game, who hooked a shot from 10 feet and missed. Suddenly, a Pomona player managed to get the rebound, a stunt that they were not doing very often, shot at the last minute and hit. The Beavers suddenly fell in defeat after coming within a microsecond of their third last minute victory and their best record for over a decade.

**Track Team Opens Season With Relays at Pomona**

by Martin T. Smith

The Caltech track team opens its season this Saturday at the SCIAC relays at Pomona College in Claremont. This weekend the competition centers mainly on relay events and field events which involve three-man teams. Caltech should be strong in the long jump, the javelin, and should have strong teams in the 4 times one mile and the 4 times 440 yards relays.

The team is banking on good performance from returning letterman in most of the track events. Among them is sprinter and long jumper Gary Normo, present holder of the Goldworthy Track Trophy. Charles Almquist ran very well last year in the quarter-mile. Also hoping to provide many points are middle distance runner Tim Tardiff and distance runners Ratch Higgins and Martin Smith. Returning lettermen in the weight events are javelin thrower Charles Tholli and discus thrower-shot putter Theagenis Abatzoglou. Coach Labruhere is surely glad to have Steve Watkins, a strong group of freshmen. Outstanding among them are Hayward Robinson in the sprints and Al Kleinmeyer in middle distance events.

**AFROTC Program**

Continued from Page Four establishing a program for producing composite materials from liquid alloys by controlled solidification. In addition to this research he is currently monitoring three contracts on metal-ceramic composite technology.

During his presentation Lt. Rice described many of the other research activities at the Materials Laboratory. One of the most interesting topics involved the production of new ferromagnetic alloys. An Alnico 5 magnet weighing 20 ounces was capable of lifting a 4 lb. weight. Lt. Rice demonstrated. But a samarium-cobalt alloy magnet of only 3 ounces lifted a full 100 pounds. Furthermore, Lt. Rice described in more detail the art of directional solidification techniques using electron beam zone refining. Here temperature gradients as high as 300 degrees centigrade per micron can now be achieved although this technology is still rather primitive. In addition, Lt. Rice described many of the other research activities at the Materials Laboratory. One of the most interesting topics involved the production of new ferromagnetic alloys. An Alnico 5 magnet weighing 20 ounces was capable of lifting a 4 lb. weight. Lt. Rice demonstrated. But a samarium-cobalt alloy magnet of only 3 ounces lifted a full 100 pounds. Furthermore, Lt. Rice described in more detail the art of directional solidification techniques using electron beam zone refining. Here temperature gradients as high as 300 degrees centigrade per micron can now be achieved although this technology is still rather primitive.
Delbrück on Homo Scienfiticus

Continued from Page One

Delbrück to Give Chemistry and Society Seminar

Dr. Max Delbrück, Professor of Biology, will offer some thoughts on basic research and 100 to 1,000 on Wednesday, February 24 in Room 22 Gates for the Chemistry and Society Seminar Series. His talk for the session will be “Homo scienfiticus according to Beckett.”

Violinist Itzhak Perlman

To Perform At Beckman

Itzhak Perlman, a brilliant headless-violinist will be heard in Beckman this Saturday at 8:30 p.m.

The program will include works by Tartini, Ives, Paganini and Strauss. Tickets are available at the Caltech Ticket Office.

Other Cultural Gems

Coming To Caltech

Sunday February 15 at 8:15 p.m. in Dabney Hall the Di Tullio Trio will perform music by Leclair, Berlioz, Martinu and Rachmaninoff. On Tuesday, February 17, this concert is free! At 8:30 p.m. next Thursday Molier’s Le Misanthrope will be performed at Beckman in French by Le Centre Dramatique National du Sud Est, directed by Antoine Bourseiller. The following day Burg’s Ballet America will present “Big Country,” a work based on American folk lore and folk history.

L. A. Philharmonic Offers Cut-Rate Student Tickets

The Music Center Box Office has announced that for $2 each students may purchase the best remaining tickets for the LA Philharmonic concerts of February 25 and 26 (evening) and February 28 (matinee). These concerts will be at the Dorothy Chandler Pavilion.

ASME Will Show Films, Hold Traffic Seminar

The Caltech section of the American Society of Mechanical Engineers will show films of the construction of arch and cantilever bridges. The films will be shown in Room 4, Thomas at 1:00 p.m. on Tuesday, February 23. Everyone is invited to attend. The section officer has a special invitation to Professor Housner to attend the film showing. The Caltech ASME will sponsor a seminar on “Transportation Planning Pan-American Highway” on February 23, at 4:00 p.m. in Room 142 Keck. The speaker will be Mr. Frederick L. Wilson of the Los Angeles City Department of Traffic. Among the topics to be discussed will be mass transit, the environmental effects of transportation systems, and future transportation conditions in Los Angeles. Everyone is invited to attend.

Visiting Seminarians

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day afternooners at 4. Also featured will be discussion/dinners at faculty homes and seminars will include: Why would anyone want to go to a seminar in today’s world? Why would anyone want to go to Caltech given the same conditions? What is the place of the Church in society? What is the relationship between science and religion? The participants represent 8 different seminaries and want to find out: How would you go about starting a seminar in your own Fuller Seminary while a third once sold Fuller books. A number of southern lights have worked in civil rights, poverty programs, open housing, child care, and encounter groups as well as having furnished counseling on marriage, drugs, abortion and other matters of concern. The participants come in a variety of academic backgrounds and most of them have a professional background in the field of their own particular interest in seminar work. If you are interested in borrowing a seminarist for an afternoon, having dinner with one in a faculty home, or if you have any questions about this fantastic program, phone Jerry Gashaghet or Tom Douglas at the Y.

by Peter Beckman

The seventh annual Political Military Exercise, or PME as it is commonly known, will beheld Friday and Saturday, April second and third. This year’s game will focus on Europe and the Mideast and possible cities that may develop there. The PME is one of the most complicated and interesting games of world politics ever devised. About 30 teams representing the major powers and the countries of Europe and the Mideast will be involved this year. Each member of each team will impersonate some leader of his country; those representing the heads of government of each country will be team captains, but their authority within the teams will be no greater than that of their counterparts in the real world.

Acts of man ... and God

Each player will attempt to advance the interests of his country and the person that he is playing as realistic a manner as possible. This will be done through orders to subordinates who will be represented by the Control Board. This board will reply to the orders with the answers or actions that it feels these subordinates would give in real life. The Board also acts as a clearinghouse for messages between countries and secret communica-

The Control Board prepares the opening scenario. This will approxi-

whether quite the world situation from time to time. Today from time to time random “Acts of God” will occur as they occur in the real world. These will be used as little as possible depending on the realness that the players display in the game.

Croquet anyone?

What are the benefits of the PME? First, it is an enormously fast, extremely enjoyable game that makes jai alai look like croquet. It bears any possible of Avalon-Hill in complexity, but it is not a war game. It is a game of international politics where each country must make out as best it can in world situations that are not only possible but probable. This will usually involve peace, not conquest.

The PME also places the player in a position to see how one works under great pressure and with other people who will disagree with him and may even work against him. In some ways the game resembles an encounter session as each player learns to work with his teamates in crisis situations.

Those interested in participating in this year’s PME are advised to sign up early in order to get a good place. Applications must be in by March sixth, and forms are available in the YMAC office, Louis Hild’s office, and many of the House lounges. The PME is free to Techers, but others must pay a one dollar fee.