Art Students To Arrive Tomorrow

Five art students and a TA in aesthetic will visit the Student Houses this weekend in the YMCA Visiting Artists program. While the students have arranged a display of their work in Dabney Lounge, the main focus of the three-day program will be conversations with Technicians.

The artists will arrive Friday, February 2, at 4 p.m., in the YMCA lounge for a short introductory meeting with all interested students, undergraduates or grade.

After dinner in the Student Houses, the visiting artists will remain in the house. Their first exhibitions of their work of an evening of talk.

Free Day

Saturday is not scheduled, so that interested Technicians may engage in further debate on the display of the artists' work in Dabney or science, or whatever. After dinner. Today, 2nd floor, room 219, Scarpero from UCLA will show slides in the Lloyd conference room to the rest of the group. On Sunday, the interested Technicians. Coffee and doughnut will be served and it is expected that the talk will again be an excellent program for all artists in an intimate group.

Sunday is also left unplanned for the continuation of the discussions of those who still have voice. The artists will have a morning on Sunday. Teaching assistant Rosalind Greenberg, a teaching assistant in aesthetic on UCLA, will be Blacker's guest for the weekend. She prepared the following statement for the California Tech:

"To be visiting an art critic at Caltech was a thrill like all visiting. Orville Faubus to meditate in the Congo or St. John to Or- lentine but I think he seems to love and H. E. A. C.

A new Bishop Pike is opposed to the present position of the church as such should not lobby and left up to them to act. The rights of due process of law, on television, and in the press, on legal grounds, as a result of the recent 'Christian Anti-Communist Crusade opposed?

He keys could not say on the grounds that he denied to the individual the rights of the due process of law. Why, Keys, could not be in saying: 'May the best man win'.
LETTERS

Green Suggests Letterwriting

Editors:

It has come to my attention from a functionality in the Pan­ dena chapter of SANE that Pres­ ident Kennedy and sev­ eral other responsible members of the government are meeting in Washington this weekend to make some determination with regard to the resumption of at­ mospheric nuclear testing.

I would like to urge all of the students, faculty and other con­ cerned individuals who are so motivated, to write letters or postcards to the government leaders, urging them to reconsider this crucial action.

The best means of communi­ cation is a privately written tele­ gram. If you write, make it type­ written, signed in ink, and sent via air mail.

Whether or not you write, the responsibility for the decision rests on all our shoulders. I hope you care enough to write. It will have an effect if enough letters and wires are sent.

Alan Green
Caltech YMCA

Bell Engineer To Address IRE

Monday evening, February 5, Mr. W. W. Nestler, a Bell Tele­ phone System engineer, will be on the campus to address the Caltech Student Branch of the IRE-AIEE on the subject, "Com­ munication by Satellite." Mr. Nestler, a Caltech gradu­ ate, has an interesting inside story on the Bell System Project in Telstar, an experimental, active satellite, communications re­ poster which will be launched from Cape Canaveral this spring. In addition to the design and construction of the bird, he will discuss the associated ground station equipment.

The meeting, scheduled for 7:45 p.m. in 142 Keck, is open to non-members as well as members, and all IREs are especially urged to attend. The usual free refreshments will be served.

Editorial

Atmospheric Testing

We feel the issue of the resumption of bomb testing by the United States is of vital concern to all members of the Tech community. We recently received a release from a group known as the Student Ad Hoc Committee on Letters to Kennedy. They point out that the number of letters written to President Ken­ nedy has declined since the Bermuda Conference between Ken­ nedy and Macmillan. Apparently most people have assumed that the test ban treaty has merely been made, using Christmas Island as the test site. Ironic.

In any case, there appears to still be time to influence Ken­ nedy’s decision. He is under heavy pressure from the military “to increase our preparedness,” and every effort on our part to indicate that we are opposed to the resumption of atmospheric testing will support Kennedy’s present position.

That Kennedy would probably prefer not to test is indicated by a White House announcement of last October: “The existing nuclear weapons arsenal is superior in quantity and quality to that of any other nation. The U.S. today has ample military power to destroy any nation which would unleash nuclear war.”

There are a number of cogent reasons for not resuming testing, among them the damage to the image of the United States abroad, the increase in the level of atmospheric radio­ activity, and the addition to tension in the Cold War.

Former Ambassador James J. Wadsworth said last November in the “Saturday Review”: If the U.S. resumes atmospheric test­ ing, within our country and throughout the world, “it will up­ set the image of the United States in the eyes of the world and result in a lowering of our influence.”

President Kennedy, in his recent speech, urged the country to increase our preparedness,” and every effort on our part to indicate that we are opposed to the test ban treaty will support Kennedy’s present position.

We urge you to indicate your opposition to atmospheric testing by writing to the President at the White House, Washington 25, D. C.

The Best is Yet to Come

By Steve Schwarz

MEASURE FOR MEASURE at UCLA February 7

Practically nobody has ever seen Shakespeare’s “Measure for Measure” performed; it is a strange, unsettling, but nonethe­ less excellent piece. Thanks to the visionary leadership of the Theatre Group, there has been almost entirely engineered, in a live production has appeared: that of John Houseman and his UCLA, between the scenes of the Theatre Group. Houseman has chosen to play down the integrated play, and to emphasize its comic nature. The result is like “Lolita” rather quassy, but utterly hilarious.

“Measure for Measure” has long been an object of contro­ versy. Coleridge called it “the only painful part of Shakes­ peare’s genuine works, the com­ ic parts being disgusting and the tragic parts horrible.” On the other hand, John Mason has called it “one of the greatest works of the English mind.”

The disagreement lies in whether one takes the plot seriously or not; for in laying down the comic situation, Shakespeare seems to have hit on a plot more serious than he took it to be.

Groping For Trots

The scene is Vienna: the Duke is leaving, and Claudio has a sister Isabella, puritanical friend Angelo in his place. Angelo immediately rein­ states every archaic law on the books, including the statute against fornication, and soon a poor fellow named Claudio has been sentenced to death for, as Shakespeare says, “gropping for trots in a peculiar river.”

Claudio has a sister Isabella, who is about to become nun. When he implores her to go to Angelo and plead for him, she does this; but unfortunately, when the straight-laced Angelo sees her

MARKETING OPPORTUNITIES FOR ENGINEERS

Senior and graduate students in chemical, mechanical, or electrical engineering will want to talk over career opportunities at FMC Corporation*. Appointments should be made today with the college placement office for individ­ ual interviews with company representatives who will be on campus February 2, 3, 6, 9, 1962.

FMC Corporation’s dynamic growth and diversification offers challenging and rewarding careers in a wide range of engineering specialties. The important first step is to make arrangements now for a FMC career facts interview.

*Formerly Food Machinery and Chemical Corporation

C A L I F O R N I A T E C H

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Assignments include the following areas:

Serve-Mechanisms — relating to all types of control problems

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Heat Transfer — relating to mis­ sile and space vehicle structures

Structures — relating to cyclic loads, temperature effects, investigation of new materials, methods, products, etc.

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Space vehicle and weapon system studies — of all types, involving a vast range of scientific and engineering skills

Get full information at

INDIVIDUAL ON CAMPUS INTERVIEWS with a Douglas representative

Thursday, Feb. 1 and Friday, Feb. 2

We urge you to make an appointment through Dr. Donald S. Clark, Director of Placement. If you cannot, please write to

S. A. Amestoy, Staff Assistant to VP Engineering

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An equal opportunity employer
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BY FLETCH MURPHY

With the threat of midterm exams looming over everybody like a piano dangling from a frayed rope, there weren't many significant happenings last week. To the best of my knowledge, nobody got married, or engaged; even dated a beauty queen. Nobody bought a car or even washed his best of my knowledge, nobody happened last week. To the dangling from a frayed rope, Weather Strikes snow on consecutive days, which comparable to that of a producing thunder, lightning, and german. It happens about as often as a street corners taking pictures, dents were standing on the Techmen strolled unimpressed garoo stampede around here. Hands on some to throw back. Student chefs in MJ overlookeding has been made to the stove overlooking has by now acquired them, I eing has been my favorites for slow out a burner and blowing gods. This ritual, and the gods seemed unnecessary, but they consideration.

a fuse.

fruit-flavored brandies have long was interested in the basic bars has now homebrewed from the branch out from them. The promising, but very good beer has been my favorites for slow ing has been made to the stove overlooking has by now acquired them, I eing has been my favorites for slow out a burner and blowing gods. This ritual, and the gods seemed unnecessary, but they consideration.

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frets and frails

Makeba Sings At Ash Grove

BY JOHN D. CROSMAN

Appraising presently at the Ash Grove are Sarita Heredia and Miriam Makeba. Sarita Heredia is a gypsy Flamenco guitarist. She appears on stage in a complete Spanish getup and has a very polished stage presentation, emphasizing intricate finger work. Miriam Makeba is a South African singer who is accompanied by a group consisting of a bass, a guitar, and congas. Her repertoire consists mainly of songs of the South African natives, however, she is at home in songs and ballads of other lands and cultures as well.

She has toured extensively with Harry Belafonte and was with him last summer in the Greek Theatre. Her singing has appealed to the jazz enthusiast as well as the folksong buff (leaving only the classical fan in the lurch) and is reported to be “excellent.”

One warning: The Ash Grove is now charging $2.50 per.

If you’re looking for something that’s free, The Cat’s Pajamas, a coffee house in Arcadia, is sponsoring a folk festival to be held Sunday, February 25, 1962, in Sycomore Grove Park (4800 block, North Figueroa) in Los Angeles. (That’s about 15 minutes’ drive from Tech-Ed.) The festival will run from noon until 5 p.m.

Les Claypool will be M.C. and a number of professional acts from local coffee houses will be presented. However, a large number of non-professional acts are needed to make the festival a success.

Anyone interested in performing can contact the Cat’s Pajamas (186 East Huntington) at 71-65004 for an audition.

The Bell Telephone Companies

Salute: Bill Pigott

Six years ago Bill Pigott graduated from college with an engineering degree. Today he is responsible for the performance of 12 microwave relay stations, numerous communications cables, and other equipment. He also supervises the work of some sixty transmission specialists.

Bill Pigott of Pacific Northwest Bell Telephone Company, and the other young engineers like him in Bell Telephone Companies throughout the country, help bring the finest communications service in the world to the homes and businesses of a growing America.

THE BELL TELEPHONE COMPANIES

TELEPHONE NEEDS THE MONTH

VOLCA BOATMAN

1/2 oz. vodka
1/2 oz. cherry brandy
1/2 oz. orange juice.
Shake well with ice and strain into glass. Garnish with fruit.

WESTERN ROSE

1/2 dry gin
1/4 oz. vermouth
1/4 apricot brandy
1 dash of lemon juice
Swipe with ice and strain into glass.

HARRY’S ★ ★ CAMERA

COURTESY DISCOUNT TO ALL CALTECH STUDENTS AND FACULTY
910 E. California Mo. 1-1388
Free Parking

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Beaver Golfers Organize And Meet Coach

The Caltech golf team held its first organizational meeting last Thursday and appears to have withstood the loss of four lettermen and a coach from the 1961 team. Present at the meeting were seven men, including two lettermen and the new coach, Tom Walsh. Ken Larson was elected captain for the coming season.

Members of the team are Fred Dorf, Bob Gershman, Chuck House, Dave Hyde, lettermen Larson and Tim Litle, and Lloyd. Coach Schroeder is a research fellow in chemistry and a member of the Professional Golfers Association. He obtained his professional status in March, 1961, after serving a five-year apprenticeship under a registered professional. He was an undergraduate at the University of Notre Dame, but did not play any golf there.

The home course this year will again be Brookside Park Golf Course. An attempt was made to acquire a privately-owned

(Continued on page 5)

RCA, builder of Tiros Satellite, needs young engineers today for spectacular achievements tomorrow

Tiros has broadened man’s scope of the heavens and earth. From an orbiting observation post high in the sky, it transmits a new wealth of meteorological information to earth-bound stations below.

Tiros is only one of many RCA successes in the wide, world of electronics. And as the horizons of electronics steadily expand, the need for more and more competent, creative engineers increases in direct ratio. That’s why RCA, now in the forefront of electronic progress, offers such tremendous opportunities to Electrical Engineers, Mechanical Engineers, and Physicists.

If you already know what you want to do in engineering...and are qualified, RCA can offer you direct assignments in your chosen field, and back you up with training and guidance by experienced engineers.

If you’re not quite sure which direction you want to go...RCA’s Design and Development Specialized Training will help to point the way. You’ll receive full engineering salary while you progress through engineering assignments that give you a clear picture of various fields you might choose.

Or, if you’d like to continue your graduate study...RCA will pay full cost—tuition, fees and approved text—while you go to school or study two days a week, and work at RCA three days.

These are only a few of the many reasons for putting all the facts about a career with RCA. See your placement officer now about getting together with an RCA representative, for an interview on:

FEBRUARY 20

Or, send your resume to: College Relations RCA Corporation of America Cherry Hill, Camden 8, N.J.

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Redlands and Oxy Down Beavers In League Games

The Caltech basketball team lost two more games this week, but demonstrated that the improvement shown last week against Azusa was no fluke. They lost to Redlands here 65-50 after an exciting and close game, then fell to a sharpshooting as the highest-touted team in the league, Oxy, 72-58. Tuesday by the score of 74 to 58.

Redlands came into the game as the highest-touted team in SCIAC. They boasted of a 62 percent shooting average from the floor, the league high scorer, Schroeder, and a twenty-four point game winning streak. They barely left with their

(Continued on page 5)
Golf
(Continued from page 4)
Annandale Country Club for the home course; Occidental has had a monopoly on this course for several years. Unfortunately, the coup d'etat against Oxy was unsuccessful.

The team will play its first match on March 2. All six positions on the team are open as of this writing.

Basketball Games
(Continued from page 4)

The game of the season and potted 20 points to be game high scorer. Weiss, well on his way to his best game as a varsity player, had 15 points when he fouled out. His fouling out was probably the biggest blow to the Tech cause, for it was Joe's clutch baskets which had helped the Beavers pull ahead. Noll had eleven points, no mean feat with Schreoder guarding him.

Oxy Sharpshooters
Again the forward line held most of the scoring against Oxy Tuesday, but it wasn't enough as sharp shooting by the Oxy Tigers pulled them into a steadily increasing lead. The game started well enough for Tech due to good drives by Ropp and Noll and headup defense. However the Beavers seemed to suffer a letdown and Oxy moved on to win easily. High scorer was Noll who potted 24 points, and behind him Ropp with 20 points.

Hurling the Tech offense in both games was first, loss of the ball too often without getting a shot off, and second, the surprising lack of scoring by the guards. The total output of the guards in both games was 12 points, eight of which were scored by Gerry Clough, second-string guard.

But on the whole the Beavers showed much improvement. A much stronger defense and the returning of Tom Bopp to his form are encouraging signs.

Fleming Wins Trophy Match
BY BOB GERSHMAN

Fleming retained possession of the Discobolus trophy by defeating Page in what may have been one of the closest Discobolus matches ever played. The bottom four matches were quickly decided with Jim Simpson and Bob Gershman of Fleming winning the third and fourth matches and Chuck House and Ed Clise taking the second and fifth matches for Page.

The contest hinged on the outcome of the number one match between Dave Faulconer of Fleming and Frank Schulz of Page. Faulconer, down three holes after fourteen, won the fifteenth, sixteenth and seventeen, then tied the eighteenth to necessitate a sudden-death playoff. By the end of the eighteenth hole the sun had set, and it was too dark to see where the ball went. This problem was remedied by scattering people around the fairway to listen for the impact. The first two playoff holes were tied and the match was finally ended by Faulconer's victory on the third. By this time it was so dark that the flag was set on fire to let the golfers know where the green was.

The Trophy Standings

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Power from below

The Lawrence Radiation Laboratory is working in the areas of Nuclear Propulsion, Control, Treated Thermonuclear Reactions, Nuclear Explosives for Industry and Defense, Space Physics, and other advanced problems in Nuclear Physics and Engineering.

ON FEBRUARY 5 & 6
Laboratory staff members will be on campus to interview outstanding students in the Physical Sciences and Engineering.

Call your placement office for an appointment.

LOUISE BOWEN
A graduate student in ceramics, is slated for Ruddock. Besides throwing pots, she is interested in the problem of understanding and communication between fields of knowledge. How can an artist comprehend with extensive training in science? Alternatively, how can a scientist find significance in art?

Another TA, Masha Schweitzer, Rickett's guest, has had a romantic past, which led her through Poland,

Fleming's sharp shooting overtook that of Page, while the Beavers' defense was much stronger than Page's. The game started well enough for Tech, but on the whole the Beavers showed much improvement.

Oxy's returning defense showed much improvement.

Fleming retained possession of the Discobolus trophy by defeating Page in what may have been one of the closest Discobolus matches ever played. The bottom four matches were quickly decided with Jim Simpson and Bob Gershman of Fleming winning the third and fourth matches and Chuck House and Ed Clise taking the second and fifth matches for Page.

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Oxy's returning defense showed much improvement.

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The contest hinged on the outcome of the number one match between Dave Faulconer of Fleming and Frank Schulz of Page. Faulconer, down three holes after fourteen, won the fifteenth, sixteenth and seventeen, then tied the eighteenth to necessitate a sudden-death playoff. By the end of the eighteenth hole the sun had set, and it was too dark to see where the ball went. This problem was remedied by scattering people around the fairway to listen for the impact. The first two playoff holes were tied and the match was finally ended by Faulconer's victory on the third. By this time it was so dark that the flag was set on fire to let the golfers know where the green was.

The Trophy Standings

<table>
<thead>
<tr>
<th>HOUSE</th>
<th>POINTS</th>
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<tr>
<td>Dubovy</td>
<td>13</td>
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<td>Fleming</td>
<td>13</td>
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<td>Ricketts</td>
<td>4</td>
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<tr>
<td>Rudder</td>
<td>2</td>
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<td>Page</td>
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<td>Blacker</td>
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<td>Lloyd</td>
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I tricks, is ill advised. He divulges the location of his trumps, and, for a bid in the suit North guarantees. North's free bid shows some both sides vulnerable, West deals.

That he would sluff a small club on the heart king and proceed to bids clubs. South's response is correct; his minimum holding calls eight-but that is history.

The paragraph most objectionably showed, however, is the haphazard claim that he is an agnostic about the value and meaning of other fields. The paragraph most objectionably showed, however, is the haphazard claim that he is an agnostic about the value and meaning of other fields.

Opening lead: Ace of Hearts. Two weeks ago on Charles Goren's television program, the nation was amazed by a hand which would make grand slam in both directions. Very few people noticed an inglorious, doubled game contract which inconspicuously went down one. It is time that this hand gets it just due. This column, being mildly interested in justice, will now attempt to do this.

North's take out double was well out of position. He is asking for the unbridled major, and he has a fine side suit to bid in case South bids clubs. South's response is correct; his minimum holding calls a bid for a bid in the suit North guarantees. North's free bid shows some of his power and, when South shows dead minimum by passing, North leaps to game. East's double, although based on some trump tricks, is ill advised. He divulges the location of his trumps, and, since North probably has a distributional hand, he cannot be sure of a two trick set.

The ace of hearts was led and then a small club. South decided that he would sluff a small club and proceed to cross ruff the hand. This line of play succeeds against a five- spade split, and against the queen, six, or five singleton spades in the West hand. Unfortunately, it goes down against the singleton eight—but that is history.

South can make the hand against any four-one split—harming pathological aptylina in the side suits—If he sluffs a diamond on the heart, he then leads the ace of diamonds, ruffs a small diamond and leads a small trump to the ace. The diamond king drops the queen, and the diamonds can be set up and run. East, even with longer trumps than either North or South, is helpless. If he ruffs in with the queen and attempts to draw trumps, South can pull his trumps and end up on the board; if he forces the board by leading clubs, South can afford to play the little game again.

The tough part of this hand is the initial decision South must make. The line of play described above will not make a five- spade split. South must decide whether East is daring enough to double the contract with only four spades. Evidently, this is a new professional field for both men, and this is not a decision like this one, with their haste in psychology, not probability, will plague bridge players until all cards are burned.

Technical Aid Seminar

As a new professional field for both men, and this is not a decision like this one, with their haste in psychology, not probability, will plague bridge players until all cards are burned.

An analytical mind can carry you a long way in the fast-moving field of electronic data processing. If you have a flair for business...and especially solving problems...you can discover unique opportunities in this new career. We have a critical need for those who have majored in science, mathematics, and engineering. And we have equal opportunities for men and women in which earnings are high and promotion come quickly. For more information describing the opportunities at IBM, see your College Placement Director or, if you desire, write or call—

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Data Processing
**Scurves Surprised**

Members of Scurvey House, always anxious to interfere with stunts of other Houses, decide to participate in Fast House Joe College basketball night. Rickety men, resplendent in gay coats and slide rules, descended upon campus that other House Joe boys never arrive. Calculated to Tech, gave it to Pasadena Police, to be held until claimed, or until auctioned off for Police Fund. It is a far better use..."
Audience (Continued from Page 3)

wright is ignored by our best theaters, (Tennessee Williams is much better boxoffice, apparent-ly), and as a result the perishable comedies have so often perished at the hands of amateu rs that many people have forgotten that they can be enormously funny. But here's a real first-class job. The Theatre Group is Los Angeles' best outfit (in choice of material as well as execution); and Houseman, who is a well known movie professional (and retains an unfortunate penchant for the lavish and spectacular), is a very good director nonetheless. Among the principals, Arnold Moss as the Duke is outstanding; Mariette Hartley as Isabel is beautiful and can act too. Really, though, the show is stolen by the bawdy crowd of Pompey, Mistress Over-done, Elbow, Froth, Bernardine, and Abhorson, along with (to quote the program) "minis ters, passersby, pimps, policemen, and ladies of the night."

The result is that the too-serious mainstream is utterly drowned in a backlash of outrageous low comedy; it is the same raunchy stuff that Falstaff is made of, perhaps even funnier — honest, I laughed 'til tears came down my cheeks. Yet while one is still shaking with laughter, he may suddenly be struck by the beauty of some line, and realize that this is the same stuff that Hamlet is made of, too. Seeing this play is wonderful fun, and more than that somehow.

THRONE OF BLOOD
at the Toho La Brea Theater

While we're on the subject of Shakespeare, here is a transposition of "Macbeth" to medie val Japan, with English subt itles. No, it's not as bad as it sounds; Akira Kurosawa (al ready famous for "Rashom on" and "Seven Samurai") has subtly added measures of oriental mystery and violence and come up with an impressive motion picture.

Work of Art

Kurosawa's camera-work is reminiscent of Ingmar Bergman's individual frames are pieces of art by themselves. Macbeth is Toshiro Mifune, world's least Te teachless actor; In this picture he snarls, grimaces, and screams almost continuously, and a more spirited murderer I have never seen. Lady Macbeth is Isuzu Yamada, and wrapped in her fragile oriental calm she is enough to freeze your blood. The death of Macbeth is uniquely Japanese, and an unforgettable experience. The witches are good, too.

Charities
(Continued from page 8)

the ACS provides low-cost medical treatment and therapy.

Many Services
The Pasadena Community Chest supports thirty-three local organizations providing a var iety of services in the four major areas of health, family service, child care, and youth work. Sample organizations are: Health: Visiting Nurse Association, Pasadena Dispensary, Children's Hospital; Family Services: Salvation Army, Legal Aid Society; Child Care: Child Guidance Clinic, Rosemary Cott age (for adolescent girls), Children's Home Society; Scouting: Boy Scouts, Camp Fire Girls, YMCA, Boys' Club.