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THE SYNAPSE

U.C. MEDICAL CENTER

Vol. 2

San Francisco, Sept. 27, 1957

No. 2

SEP 27 1957
SPECIAL
IN THIS ISSUE
San Francisco, 22
THE
MEDICAL CENTER
OF THE
PAST

THE IVORY TOWER

Here's How It All Began

During the early 1920's the students at the Medical Center realized that they were living and working at a medical center with virtually no campus. There was no restaurant within blocks—the scattering of buildings which comprised the center stood alone in the hollow chewed out of the tree-enshrouded Mt. Sutro. The campus then was essentially a mill where the student entered, completed the required courses, and left with his degree—and very little else. The students began to realize their opportunity of attending the University in a much broader sense. They realized that much could be gained by talking and relaxing with their fellow students, the students from the other schools, and with members of the faculty and alumni. Unfortunately, there was no common meeting ground for these groups—so with faculty assistance the students did something about it.

First Tennis Courts

With picks and shovels and other equipment borrowed from the Market Street Railway, the dental students, under the guidance of Dean Millberry, cleared and leveled the land now occupied by Moffitt Hospital and even paid rent for the part the University didn't own. On it they built two tennis courts—the first recreation facility on the "campus."

A Cafeteria

Next they started a cafeteria on the ground now occupied by Increment II. With money from a small loan the students built the structure themselves. True, it was no glamorous building, but it was a beginning. They soon had people from all over the campus stopping in and the "coop" was successful. Over the years the enterprise grew in popularity and elegance until after World War II it was doing a business of over \$100,000 annually.

During its early stages in the 1920's, however, its prices were so low that it couldn't quite keep ahead of expenses. To help offset this, and to solve another problem, the students started the Student Store. Dean Fleming of Dentistry, one of the instigators in this project, was the president of the Associated Dental Students at that time.

The Student Store

Up until then, three dental supply companies maintained stores on campus and Stacey's Book Company drove a truck on campus to sell books the first two days of each semester. This plan was rather inefficient and expensive, so during the summer, lists of needed equipment were compiled and the students ordered them through the new store. All summer the students shopped for prices and ended up importing equipment from as far away as England. The supplies were distributed in the cafeteria at first, but as the project took hold, the students were given space in the dental pharmacy building and they set up shop. One by one the other stores closed and began to work with the student store as equipment suppliers.

Prior to this, the Medical School had its own book and supply store run by a senior student. Unfortunately, he was in class or on clinic duty most of the time, which made book buying difficult. This enterprise was merged with the Student Store which gave a general 10 per cent discount to all students who purchased a rebate card for 50 cents.

(Continued on Page 3)

The Invasion of The Earth People

By Mardi Horowitz

The term "earth people" was originated by Tom Merrigan, a senior in the medical school. Since this original magnificent insight, the concept of the existence of earth people has swept the medical center and has broadened in meaning.

Beyond the fog that isolates this ivory tower in solemn majesty live the earth people. How different they are from us! They have nothing to do with medicine or its related sciences. Instead of nocturnal perusal of texts, journals, apparatus, or patients these glibly gay souls go to plays, operas, symphonies, and clubs. They watch TV, sports, and read non-medical literature. They sleep, play records, eat out, walk in parks, play games, loaf, and, in short, do all manner of things alien to the incarcerated and monkish life of ivory-tower dwellers.

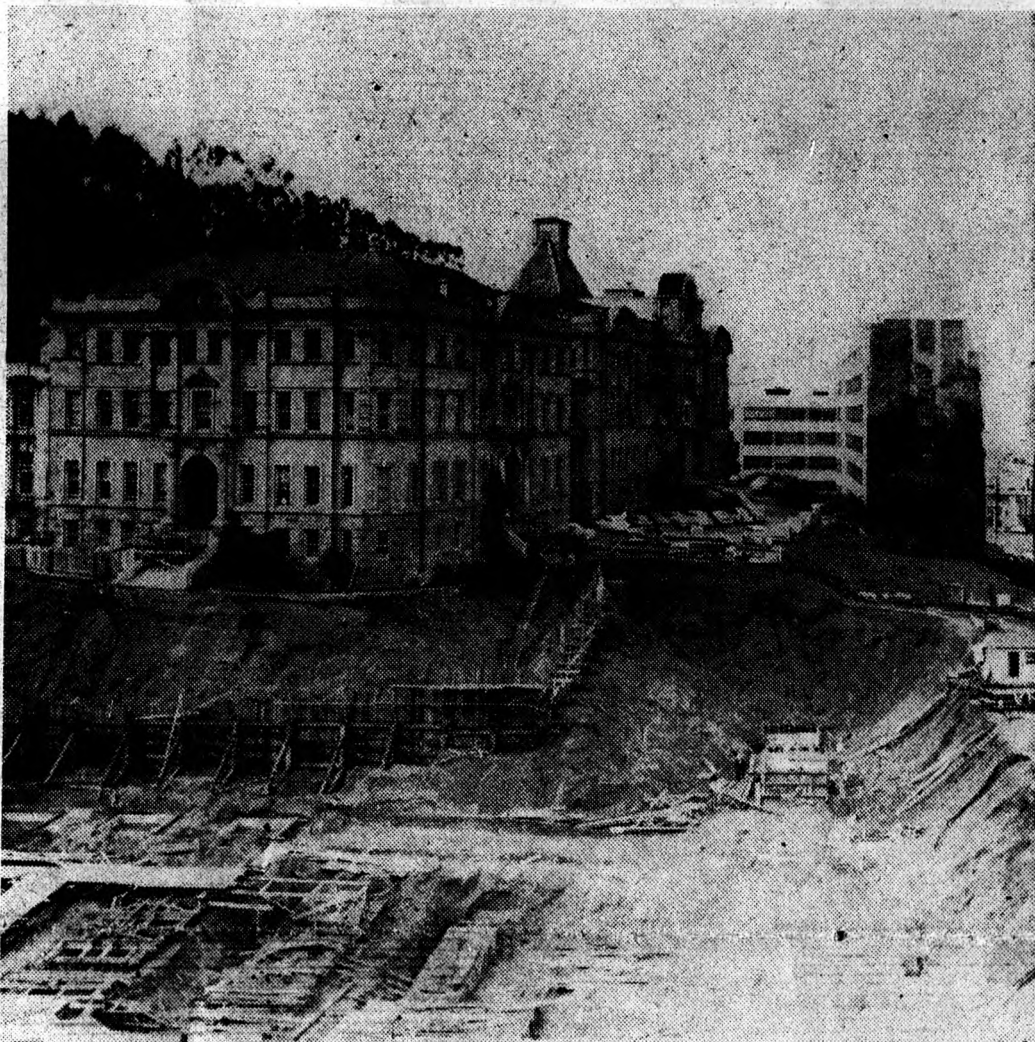
Earth people may be distinguished by the 3-P test. Ask them what pancreas, pituitary, and mean—if they miss any they may be earth people.

In the past, earth-people were only encountered on rare and adventurous expeditions from this hill-perched and sterile sanctuary. In recent times, however, the medical center has been invaded by creeping earth-peopleanism. Manifestations of this non-technical infusion are the med-center chorus, the medical society orchestra, the new university extension discussion groups, and the liberal-arts books cunningly concealed in the north-west corner of the library.

If these trends remain uncurbed, an earth-people-like culture may supplement medical and technical learning. Even worse to contemplate, medical-center-people may become also earth-people!

Asiatic Flu

The Student Health Service is aware of the possibility of an outbreak of influenza among the student population this fall. The United States Public Health Service and the California Department of Public Health recommend that influenza vaccine be used in an attempt to forestall an increase in the incidence of influenza which might approach epidemic proportions. Influenza vaccine inoculations will be available to all students as soon as sufficient amounts of vaccine become available. Students will be notified immediately when the Health Service receives the supply of vaccine.



In 1952 the student built tennis courts were destroyed to make room for our first Ivory tower, the Herbert C. Moffitt Hospital.

Anthropologist Describes Rites of 'Primitive' Tribe Now Inhabiting U.S.

ANN-ARBOR, MICH. (Science Service)—A humorous description of the American people in the manner of anthropologists describing primitive people has been reported to the *American Anthropologist* by Dr. Horace Miner of the University of Michigan.

"While much of the people's time is devoted to economic pursuits, a large part of the fruits of these labors and a considerable portion of the day are spent in ritual activity, the focus of which is the human body, the appearance and health of which looms as a dominant concern in the ethos of the people.

"The daily body ritual performed by everyone includes a mouth-rite. Despite the fact that these people are so punctilious about care of the mouth, this rite involves a practice which strikes the uninitiated stranger as revolting."

"It was reported to me," Dr. Miner says, "that the ritual consists of inserting a small bundle of hog hairs in the mouth, along with certain magical powders, and then moving the bundle in a highly formalized series of gestures.

"In addition to the private mouth-rite, the people seek out a holy-mouthman once or twice a year. These practitioners have an impressive set of paraphernalia, consisting of a variety of augers, awls, probes and prods. The use of these objects in the exorcism of the evils of the mouth involves almost unbelievable ritual torture of the client.

"The purpose of these ministrations is to arrest decay and to draw friends. The extremely sacred and traditional character

of the rite is evident in the fact that the natives return to the holy-mouth-men year after year, despite the fact that their teeth continue to decay."

Attention Students!

All of the students of the medical sciences are subject to the rebate system at the A.S.M.C. store. The rebate card costs the holder \$.50 and entitles him to a 10 per cent discount receivable at the termination of the semester for all items purchased during the semester except books. The Dental rebate card costs \$.40. The reason for this is that this sum covers expenditures for the dental school activities during the year.

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Cancer Progress Noted at UC

Examination of cells shed from the tissues of the mouth can contribute substantially to early diagnosis of oral cancers, three researchers at the University of California have found.

Their report, to be published in the *Journal of Dental Research*, gives the first description of cases in which study of individual cast-off cells resulted in earlier diagnosis of oral cancer than would otherwise have been achieved. The researchers also state that the technique may be used in detecting recurrence of cancer at a site previously treated for the disease.

The U.C. investigators are Dr. Sol Silverman Jr., assistant professor of dental medicine, and Dr. Hermann Becks, professor of dental medicine, both of the School of Dentistry; and Dr. Seymour M. Farber, associate clinical professor of medicine in the School of Medicine.

EDITORIAL

This issue contains the first of a three part series on the efforts on the part of students and faculty over the past 30 years to make the new Student Union a reality. Although the administrative branches of the University can do much to make the University a strong physical structure, it is the people who dwell in these "Ivory Towers" that make the University a campus. As you can see, students have in the past operated successfully such enterprises as the student cafeteria and bookstore and initiated such worthwhile projects as the Medi-Cal. If it hadn't been for the students of 30 years ago starting these projects and working with them through the years, the structure across the street would not be a reality.



DON SWATMAN

1957-58 Managing Editor

Synapse urges you to read carefully the articles on the Medical Center's past, so that you may be in a better position to evaluate the controversial issues which your student council, University Administrative Office, and the Regents of the University are thrashing out, to determine exactly who will control and govern the new Guy S. Millberry Memorial Union. Much of the money for the building has been raised directly by the students through the bookstore and cafeteria, and by the faculty and alumni who have been

most generous with money and materials to make this all-important project a reality. These people feel that after 30 years working and dreaming to bring this Union into existence, they, too, should have some say in its administration.

Students, with faculty assistance, have proven in the past that they are capable as governing bodies.

They are just as capable now.

NEWMAN CLUB PICNIC

Hey! Hey! We're on our way—to THE picnic, of course. Date: **October 6** (that's the day after the night of October 5). Time: **Eleven o'clock** (ah, you can get out of bed by that time). Transportation to Mt. Helen (that's where it is—you don't know where it is? You don't? Well, honestly, everyone, positively everyone knows it's just outside of Los Gatos) will be provided (yes, that means cars; not roller skates or pogo sticks—cars). The plan is for everyone to meet at the 3rd Avenue nurses' dorm at the appointed time on the appointed date. Bring your bathing suit—there's swimming in a real great pool—and for the hardier souls, there's volleyball, sleeping in the sun, a whole yard of swings, sleeping in the sun—and later, in

the evening, dancing via moonlight. A huge lunch will be served there! Cost? **75c** per person. Who's putting this on, you ask? Why, the Newman Club, of course—everyone knows that! Reservations—a necessity—gotta know how much food to get. Call Dick Penna, MONTROSE 1-0584 or Nan Day (she's prettier), MONTROSE 4-3600, ext. 1096.

And while we're on the subject of Newman—just to add a little business for a line or two—there will be a panel discussion on medical-moral problems on Tuesday, October 8 at 8 p.m. in St. Anne's Library. The panel will consist of Miss Mary Gill from the University of San Francisco School of Nursing, Dr. Howard Herning from St. Mary's Hospital and Rev. John P. McCracken.

SNAC Convention News

By June Roudy

San Jose has been named to host the state convention for the **Student Nurses Association of California** on October 10-12, Hotel St. Claire will be the headquarters for many representatives from all schools of nursing throughout the state. This convention is being held in conjunction with the California League for Nursing and California State Nurses Association.

SNAC, comprised of all the schools of nursing in California, is divided into divisions and regions. Each division has regular meetings to promote the exchange of ideas about nursing and provide a source of meeting other student nurses. The convention will be on a much larger scale, but the purpose is the same—that of promoting better nursing through the exchange of ideas and learning about the progress in the field of medicine. Dr. Byron Pevehouse, Resident in Neurosurgery and Neurology of our **University of California Hospitals**, will be one of the guest speakers during the convention.

Our school of nursing is particularly proud to be represented in SNAC through the efforts of Robert Shields, vice president of Northern Region; Marilyn Uyeda, sec-treas. of Division 4; Barbara Nelson, treasurer of Northern Region; Sandie Cadwallader Jr., advisor of Northern Region and program co-chairman for 1957 convention; and Rochelle Dessausois, program co-chairman for 1957 convention.

Last but not least I must mention the fact that the CLN and California State Nurses Association hope to have Korla Pandit or Tennessee Ernie to entertain at their banquet.

All student nurses are welcome to attend the convention and more information may be obtained from the nursing class presidents.

New Extractor Technique for Alkaloid Drugs

An improved method of analyzing crude plant materials for their content of the important alkaloid drugs has been suggested by a researcher in the **University of California School of Pharmacy**, San Francisco. The new method, which has been used experimentally in studies of several drugs, appears simpler and more accurate than the standard techniques in use since the late 19th century.

Assay of plants for their alkaloid content has important applications in pharmaceutical manufacturing and medical research, for this class of drugs is widely used in medicine. Alkaloids are a large group of chemically related compounds found in plants. Among them are quinine, atropine, caffeine, morphine, strychnine and reserpine.

The new technique reduces the time required for extracting alkaloids from plant samples and gives higher yields, indicating more complete drug extraction. Also, it permits the amounts of individual alkaloids to be determined directly by measuring their absorption of ultraviolet light. With the standard assay techniques, only the content of alkaloids as a group is obtained, and further chemical procedures are required to obtain a breakdown into individual alkaloids.

The U.C. studies, conducted by Dr. Einar Brochmann-Hanssen, associate professor of pharmaceutical chemistry, have been described in part in the **Journal of the American Pharmaceutical Association**.

"The average person asks of education only that it increase his earning power that he may enjoy in greater quantity or quality the material satisfactions of the uneducated."

—Morris Bishop.

Dr. Karl Bowman On Narcotics

NEW YORK — Narcotics addiction should be treated medically rather than punitively, Dr. Karl M. Bowman told the American Psychopathological Association here recently. Dr. Bowman, professor of psychiatry emeritus at the University of California Medical Center, San Francisco, gave the association's Samuel Hamilton Memorial Lecture.

Praises British

While illegal selling of narcotics should be vigorously prosecuted, Dr. Bowman said, addiction itself should be regarded as a medical problem and not a crime. He praised the British system of narcotic control, under which addicts are encouraged to seek medical treatment and, where their physicians deem it necessary, are given prescriptions for sustaining doses of narcotics.

The proportion of addicts to population in Britain is about 1/60 that of the United States, he said, and addiction is virtually nonexistent among adolescents and young adults. The illicit drug traffic there, he added, is feeble compared to that in the U.S.

Discusses Addict

The California psychiatrist, who retired last year as medical director of the Langley Porter Clinic, said there is wide public misunderstanding in this country of the effects of narcotic addiction. Opium derivatives and their synthetic substitutes, he said, do not cause criminal behavior; rather, they quiet the addict and suppress aggressive and sexual impulses. Addicts may, however, commit crimes to obtain drugs.

Such crimes, as well as the illicit narcotic trade itself, could be largely discouraged by overhauling the drug control laws, Dr. Bowman believes. The present reliance on punishing the user, he said, prevents addicts from seeking medical help, encourages them to commit crimes, and defeats efforts at rehabilitation. "It now seems time," he said, "to turn to the medical approach as it is being used for alcoholism and sex deviations."

Although Dr. Bowman stated that some addicts should be permitted continuing narcotic dosage on prescription, he emphasized that this in itself would not be an adequate control program. In addition, he said, addicts should be encouraged to seek medical treatment and rehabilitation; efforts to suppress illicit drug traffic should continue; and there should be intensive education, particularly of young people, on the nature and dangers of addiction. He endorsed a program recently proposed by the New York Academy of Medicine and embodying these elements.

The U.C. scientist also stated that alcoholism is the country's most serious addiction problem. He noted that there are some 18,000 hospital admissions annually for alcoholic psychosis, and that alcoholism is a far more frequent forerunner of heroin addiction than is marijuana smoking. Other addictive habits with which society has shown insufficient concern, he said, are tobacco smoking and the use of barbituates.

MEDI-CAL

Work on the 1958 Medi-Cal, our campus yearbook, has moved into full swing this Fall under the editorship of Bill Bathurst from the school of Pharmacy. Sales began in the registration line this year, with two purchasing plans available, one a down-payment, installment plan, and the other a pay-in-full plan which offers the annual at a lower price of \$4.50.

The Medi-Cal staff will welcome any volunteers who would like to help sell the annuals. Sales managers are needed to head the sales in each class of every school. Anyone interested may contact his class president who will in turn contact a member of the yearbook staff.

The Medi-Cal will contain a number of additions and changes this year which are felt to be improvements over previous years. There will be more emphasis on activities around the campus and more candid pictures. The various schools at the Medical Center will be integrated in the book more than has been done in the past. The staff asks that everyone support the Medi-Cal by buying his annual right away so that it will be possible for those working on it to put out a better book.

Methodist Youth Program

Plans are underway to organize a Protestant youth organization on campus. The new assistant pastor at Temple Methodist Church, the Rev. Thomas Hicks, is concerned directly with the college youth here at U.C. and at San Francisco State. Last Monday Rev. Hicks met with Dean Johnstone to try to formulate a plan for the creation of such a program. Interested students and campus personnel are urged to contact Shirley Albright or Jean Gensel at the Nurses Dorm, 610 Parnassus, MO 4-3600 Ext. 1092, for further information.

Presbyterian Forum

Your neighborhood churches are to sponsor a discussion series: "Understanding Ourselves." Tuesday evenings, 7:45, Oct. 15 through Nov. 19. Dr. Clark Robinson, U. of C. will lead the group. Place: College City-Lakeside Presbyterian Church, 19th and Euclid. First Topic: "What is Personality?"

WELCOME DANCE

September 28th!!
8-12 p.m.

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Place: Nurses' Dorm, 610 Parnassus, 7th Floor.

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SPECIAL TERMS, IF YOU WISH

ON THE HILL



by Jack Hockel and Bob Neumyer

Beginning in the next issue of Synapse look in this same spot for a fascinating column on the lives and activities of the many people who live or work at the Medical Center. The column will contain news of a statistical nature such as births and weddings and will delve into the many and varied social activities here at U.C. The column will undulate in emotion to bring you a real picture of life as we live it.

In order to supply the many facts necessary to make this column possible we urge you to write in and let us know what you're doing or more sinister what your ex-buddy is doing.

Through our organization you may be contacted in the next few days to offer information on a regular basis. This requires very little time, virtually no talent except the ability to write down what you hear and send it in as you are instructed. Only you can make "ON THE HILL" a success.

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Elective Courses

Special Study Groups

For Students and Staff

Arrangements have been made to hold the following University Extension Discussion Groups on the San Francisco Campus:

Oct. 2—American Democracy, 6:30 p.m. (S 1322).

Oct. 3—World Politics, 7:00 p.m. (S 1322).

Oct. 7—Ways of Mankind, 7:30 p.m. (S 1322).

Oct. 15—Discovering Modern Poetry, 8:00 p.m.

Beginning on the above dates each of these groups will meet for two hours per week for a period of ten weeks. Each group will be led by a U.C. Extension instructor.

Fees: U.C. Students \$6.00 including readings. The first fifty students who have paid the incidental fee will be permitted to register under this reduced fee arrangements; the School of Dentistry is underwriting the balance of the fee. The regular fee is \$12.00 per person including readings or \$18.00 per couple.

Enrollment limited. Registration after September 3, Rm. 565 U.C. Hospital Postgraduate Instruction Office. Mon. thru Fri. 8:00 to 5:00. For further information call local 634.

"A college education is one of the few things a person is willing to pay for, and not get."

—William Lowe Bryan.

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New Cardiovascular Research Institute

Construction has begun on quarters for the new Cardiovascular Research Institute at the University of California Medical Center. The Institute will occupy the presently unfinished 13th floor of the Herbert C. Moffitt Hospital.

The Institute's laboratories and research beds will provide the environment for an extensive program of basic and applied research on diseases involving the heart and circulatory system. Members of many School of Medicine departments will cooperate in investigating a broad range of cardiovascular problems.

The February 14th edition of Synapse will bring you the complete coverage of the activities of this Institute.

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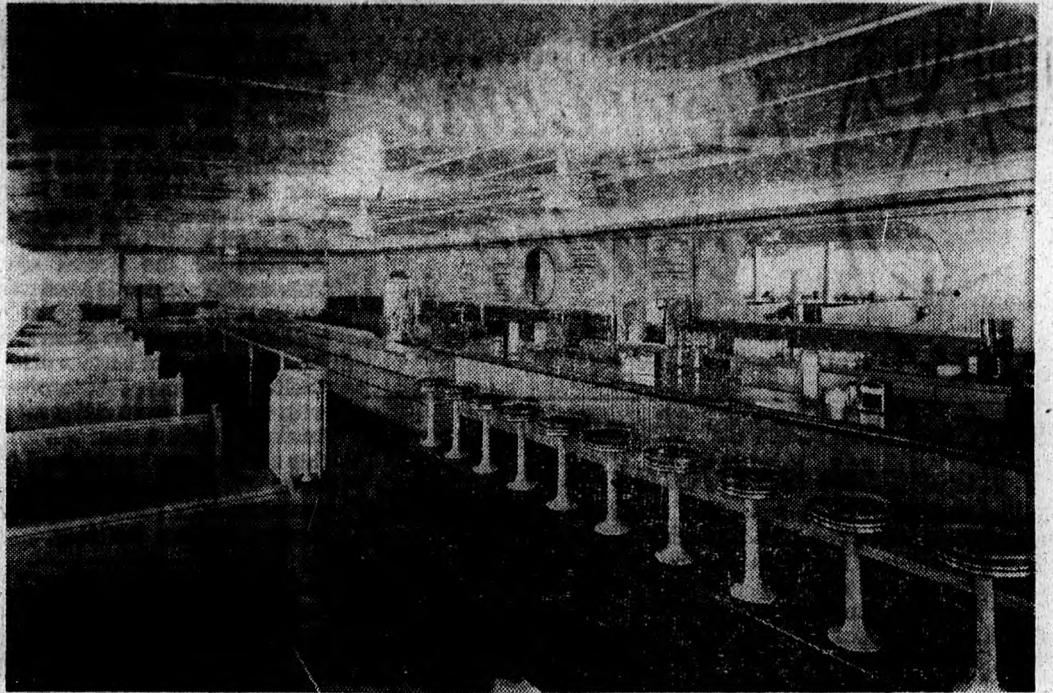
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THE IVORY TOWER



The Student Cafeteria after WWI during its golden days

(Continued from Page 1)
In recent years, fair trading has forced a discontinuance of this discount on books.

The store and the cafeteria flourished and grew unmolested for 30 years. Then the mad post-war scramble for a bigger and better campus began. First, in 1952 the tennis courts were torn out to make room for Moffitt Hospital; later that year the cafeteria was cut in half to make room for the Medical Science Increment II. Then one evening in 1953, fire gutted the remaining half of the "shack"—the building whose rafters had the names and memories of the students of the past 30 years branded on them. The next morning the undaunted students had set up a temporary cafeteria in the dental pharmacy building and served breakfast there. With the fire insurance money, they built the snack bar which we have now.

There are many stories such as this hiding in the past of our campus. All of them have one thing in common—the students were dissatisfied with conditions

as the existed and some of them had the drive to make things better.

Medi-Cal, 1947

Even our now highly successful Medi-Cal didn't just happen. It was formed out of the sweat and enthusiasm of a group of dental students who in 1947 decided that a diploma alone should not be the only memento the senior should have.

Perhaps many of you aren't satisfied with this picture. You ask, "Why is the dental student referred to so often?" or "Why aren't prices lower at the store if the students run it." The answer to each is quite simple. First, the dental students in years past were the only ones in full time residence here. The medical students were scattered all over town in the various hospitals, the nurses ate at the hospital cafeteria, and the pharmacy students had classes all morning and worked in stores throughout the city the remainder of the day.

The answer to the second question is even simpler. Sure, the store could give larger discounts,

but under the careful guidance of Dr. George Steninger, the graduate manager of the ASMC, a better plan was formulated.

The Student Union

The surplus from the Student Store each year was deposited with the Regents of the University towards a dream which Dr. Steninger hoped one day would come true—a union building for all the students, faculty and alumni of the Medical Center. A common area where these people could discover each other and become truly associated—these were the dreams.

Without this surplus from the store and the generous help from the faculty, alumni, and mother university and without the dreams, the plans, and the foresight of students 30 years ago, the Union which you will enjoy beginning next Spring would not be a reality.

In the next issue of Synapse read how these plans are being distorted to conform with a general University plan which the Medical Center will not graciously accept.

Educated Appraisals

Being a few words to the would-be wise, on the threshold of another college year.

"Reverence for human personality is the beginning of wisdom in every social question, but above all in education."

—Bertrand Russell.

"Education is an ornament in prosperity and a refuge in adversity."

—Aristotle.

"A good teacher leads a man to the threshold of his own mind."

—Kahlil Gibran.

"I don't think the boy of lively mind is hurt much by going to college. If he encounters mainly jackasses, then he learns the useful lesson that this is a jackass world."

—H. L. Mencken.

"Culture is the sum of all the forms of art, of love and of thought, which, in the course of centuries, have enabled man to be less enslaved."

—Andre Malraux.

"The highest happiness of a man as a thinking being is to have probed what is knowable and quietly revere what is unknowable."

—Johann Wolfgang von Goethe.

"Outside of their own business, the ideas gained by men before they are 25 are practically the only ideas they shall have in their lives."

—William James.

"If only the dear mothers who are afraid of their boys going to college so early would look over our figures at Harvard, they would see that the temptation to go to the devil increases with age."

—A. Lawrence Lowell.

"The university brings out all abilities, including stupidity."

—Anton Chekhov.

"Truth that has merely been learned is like an artificial limb, a false tooth, a waxen nose; it ad-

the human spirit to live happily in the new world created by science. For while science has been able to make an easier world, it cannot by itself make a happier world."

—Luella B. Cook.

"A university is not a school or a group of schools, but an atmosphere."

—Cardinal Newman.

"My definition of an educated person is one who can converse on one subject for more than two minutes."

—B. A. Millikan.

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Renowned Educator Heads New Research Institute

Dr. Julius H. Comroe Jr., internationally known medical researcher and educator, has been named Director of the new Cardiovascular Research Institute at the University of California Medical Center, San Francisco. His appointment was announced by President Robert Gordon Sprout and Dr. J. C. deC. M. Saunders, Dean of the School of Medicine.

Dr. Comroe comes to U.C. from the University of Pennsylvania Graduate School of Medicine in Philadelphia, where he was chairman of the department of physiology and pharmacology. He has been appointed a professor of physiology on the U.C. faculty.

The Institute which the 46-year-old scientist is to head will be devoted to an intensive, many-phased research attack on diseases of the heart and circulatory system. Quarters for the Institute, which will occupy the 13th floor of Herbert C. Moffitt Hospital, are now under construction and are to be ready for occupancy by July 1, 1958. Several of its research programs are already in progress, however.

Dr. Comroe has made many significant research contributions in physiology, pharmacology and clinical medicine. For several years his chief field of interest has been cardio-pulmonary physiology—the mechanisms of lung function, and of gas exchange between the circulatory and respiratory systems, that keep the body supplied with oxygen. Disturbance of these mechanisms is an important factor both in heart diseases and in diseases of the lungs.

The new Director is also well known for his leadership in medical teaching. Last year he organized and directed the University of Pennsylvania's new graduate training program for medical school faculty members. He has also directed major training programs of the Association of American Medical Colleges, the American College of Physicians,

and the American Physiological Society.

Dr. Comroe was born in York, Pennsylvania, March 13, 1911. He received the A.B. degree from the University of Pennsylvania in 1931 and the M.D. degree from the same institution in 1934. His internship was served at the University of Pennsylvania Hospital from 1934 to 1936, following which he joined the faculty of his alma mater as an instructor in pharmacology. He had been professor of physiology and pharmacology in its graduate school since 1946. He is married and has a daughter.

Dr. Comroe has served on numerous research and advisory committees of organizations including the National Science Foundation, the National Research Council, the American Medical Association, and the American Cancer Society. From 1944 to 1946 he was a medical research consultant to the Army. In 1956 he became chairman of the Physiology Study Section of the U.S. Public Health Service.

He holds memberships, several of them honorary, in 17 professional and scientific societies. He is currently president of the Laennec Society and a councillor of the American Physiological Society. He is a Fellow of the American College of Physicians, the American Association for the Advancement of Science, and the New York Academy of Sciences.

Dr. Comroe is a consulting editor of the American Journal of Physiology and the Journal of Applied Physiology, a member of the editorial board of the Journal of Medical Education, and an associate editor of General Practitioner. He has been author, co-author, or editor of several books on pulmonary physiology and other medical subjects.

Dr. Malcolm S. Watts, assistant dean of the School of Medicine, has been acting director of the Cardiovascular Research Institute pending appointment of a permanent director.

Student Dental Facilities

The dental student body would like to inform the members of the various student body organizations at the Medical Center concerning dental care during their stay here. Dental service is available to students of the Medical Center through the cooperation of student health service with the facilities of the dental clinics. This dental service is rendered to students at a fee leveled at one-half that charged the general public. This is a fine service offering additional means of fraternization with students from different professions. Information concerning this service may be obtained from those "loveable ladies" in the dental records room, 6th floor of Medical Science Building.

Cancer Quacks Worse Than Ever

DETROIT.—Cancer quackery is as widespread and menacing now as it was 30 years ago, Dr. L. Henry Garland, Stanford medical school radiologist, told the Michigan Clinical Institute recently.

Dr. Garland, being honored for "significant contributions to cancer controls," said cancer quacks are more of a menace than ever "because of the improved outlook for both the early and late case of cancer in the light of modern surgery, radiotherapy, and chemotherapy."

"THE FAKE practitioner accepts patients with curable cancer and uses worthless remedies on them until the cancer becomes incurable," he said.

"Quacks often exhaust the earnings and savings of those in limited circumstances without according and benefit. A few quacks cause diversion of large amounts of private money from the support of responsible cancer research."

QUACKS MAY be found both inside and outside the medical profession, he pointed out, and "the spectrum is disturbingly broad."

"In the past," said Dr. Garland, "the local medical profession has tended to rely on some distant agency to investigate local cancer cures. Such work can often be performed more effectively and speedily by a functioning state cancer commission."

Science Must Expand

Science needs more researchers who will boldly break through artificial barriers of specialization to pursue clues to nature's secrets wherever they may lead.

This was an opinion expressed in the Annual Faculty Research Lecture on the Berkeley campus by Professor Melvin Calvin, Professor of Chemistry.

"The fragmentation of science into specialties is a serious hazard of modern research," Calvin said. "We need specialization, of course, for the expansion of knowledge and technique has made mastery of a single discipline difficult enough. And our universities have met our need to train specialists."

"Escape' From Discipline
"What we need now is to encourage a daring spirit in young scientists."

"We need to say to our students, 'You must master a special discipline. But you must also learn to escape from that discipline when the need arises. If in your research you find something that arouses your curiosity, do not drop it simply because it requires knowledge of another science. Acquire what knowledge and skill you need and enlist the collaboration of other specialists to pursue knowledge wherever it may lead.'"

Artificial Classifications
"Nature does not make simple divisions of phenomena into physics, chemistry, and biology," the scientist said. "Our greatest future progress may lie in the hands of men who are willing and able to ignore the artificial classifications we have erected, men who will readily criss-cross these fields in the pursuit of an idea."

Professor Calvin said the work he and his colleagues have pursued in photo-synthesis during the past decade is a good example of this kind of "despecialization." This work involved the use of knowledge and skills in chemistry, biology and physics, and it resulted in the evolution of new laws and principles in all these fields. Chemists interested only in chemistry would not have been likely to elucidate the photosynthetic cycle.

Professor Calvin's work in photosynthesis, the process by which plants maintain all life on earth, has won wide recognition.

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Sept. 28—Welcome Dance—7th floor Nurses Dorm.—Sport.
Oct. 3—Dental School Picnic—San Mateo Park.
Oct. 10-12—Nursing Convention (SNAC)—Hotel St. Claire, San Jose.

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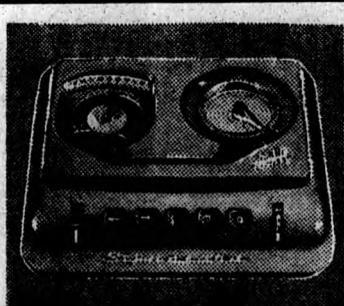
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