COMING OPERETTA TO PLAY FRIDAY BY NOTED TRouPE

Cambria Pines Lodge will present "Gilbert and Sullivan: Request The Pleasure," Friday, Nov. 20 at 8 p.m.

The program takes the best from eight of Gilbert and Sullivan's light comic operettas and combines them in a frothy, Victorian costumed frolic. The comedy runs approximately an hour and a half, including intermission.

The troupe is comprised of some of the most acclaimed voices in both San Diego and Los Angeles opera circles.

This is the first in a series of programs to be presented at The Cambria Pines Lodge offering professional talent in music, drama and dance. Tickets are $3 general admission, $2 for students. The program follows cocktails and dinner.

Daily Variety, in review of show earlier this year, proclaimed "The five are absolutely delightful as they perform in turn, dance a gavotte, sing duets, and in any other appropriate combinations. They bounce thru the foolishness with energy, superb articulation and total control of the idiom."

Richard Sheldon and Joan Manning as Lord and Lady Bungaree in "Gilbert and Sullivan Request The Pleasure," to be presented at Cambria Pines Lodge.

ASl President Paul Banke called for campus control of special fees

ASI President Paul Banks reflected briefly on the character of Chancellor Glen E. Dambke and aired his opinions on the proposed Materials and Service fee at the 80th meeting of the Student Affairs Council.

In reference to Dambke, President Banks termed him "very intellectual... obviously a man of set opinion." Banks went on to comment on a recent meeting between several Associated Student presidents and Dambke: "He told us before we spoke that we couldn't change his opinions, and told us we hadn't after we left."

Banks outlined the recommendation he will be giving the Board of Trustees concerning the proposed Materials and Service fee.

The theory behind the Materials and Service fee is that student governments now support most educationally related programs, such as athletics, drama, and publications. But at some colleges, the student governments have chosen not to support these programs, and to channel the money elsewhere.

The Board of Trustees does not favor this action, and therefore would set up this fee to be applied by the college president if necessary, to support all educationally related programs.

Banks stated, "There will be definite problems in funding student related programs if these programs are relevant and worthwhile. Whatever these programs are, they are essential to the educational process of the college."

"The Board of Trustees should have funded these programs from the general fund, but they won't, and they don't know you know it, and I know it."

In pointing out that the Board is not likely to fund educationally related programs from the general fund, Banks stated, "The best alternative is the flexible plan, where it will be left to the college president if the mandatory student fee should be initiated. Given our college, with

(Continued on page 3)

Forensic squad takes 7 awards

Last weekend, the Debate Squad picked up seven awards at the Cal State Los Angeles Invitational Speech Tournament held November 13 and 14. Forty-nine schools from northern and southern California, including UBC, UCLA, Loyola, San Diego State, Pepperdine, and the University of Redlands participated in the tournament.

In most divisions of each event, there were more than 100 participants entered. This college's squad had speakers entered in the following events: Oral Interpretation, Debate, Impromptu Speaking, Expository Speaking and Persuasive Speaking.

Four students made their way into the final rounds of individual event competition. Jan Wise, a sophomore majoring in speech, went fourth place in novice division Impromptu Speaking. Glenn McQuillogh, a senior majoring in political science, took yet another fourth place in novice division Impromptu Speaking. Glenn captured three straight firsts in his preliminary rounds.

Two students, although not making it into the final rounds of competition, won Excellent Certificates in their events. Neal Summerhays, who was previously mentioned, won a certificate in junior division Persuasive Speaking. Glenn McQuillogh, a senior majoring in political science, took yet another fourth place in novice division Impromptu Speaking. Glenn captured three straight firsts in his preliminary rounds.

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The Debate Squad is continuing to have a fine year, it is felt. More people are participating now than ever before. In the first four tournaments this year, the squad has won 37 awards.

BANKE CALLS FOR CAMPUS CONTROL OF SPECIAL FEES

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DRAFT EDUCATION CENTER TO COUNSEL ON MILITARY

Anyone with questions pertaining to his draft status, legal rights under the Selective Service System or alternatives to the military, can now obtain the necessary information from the Draft Education Center.

The Draft Education Center is available to anyone with

questions about being drafted into the armed services. The Center, a Free University service, is located at 1200 Pacific Coliseum, San Luis Obispo, and is open Monday through Friday from 8 a.m. Questions can also be answered over the phone by calling 544-6333.
Make use of Student 'Rock'

Editor:
"$4,000,000 ROCK"

That's what you, the student body at Cal Poly, have bought. Tuesday night, Mr. Gersten made his joyful presentation of the floor plan and furniture styles of the new Student Union Building, the "Rock," to S.A.C. The twinkle in his eye combined with the vibrant excitement of the council made the whole scene look like Christmas morning. Apparently everyone had been very, very good for a long time because there were gifts for everyone. In addition to the furniture allotted for formal activities, such as council meetings, there were even $100 chairs for observers, to say nothing of a $300 desk which was Mr. Gersten's special surprise for the president of the student body.

When asked what the total bill was for all the wonders, Mr. Gersten admitted that it was something in excess of $4,000,000.

When presented with the thought that our colleges are designed to develop better citizens for a more honest and responsible America, Mr. Gersten felt that the $4,000,000 "Rock" was warranted.

What do you think? Do you, the reader of this article, feel that a pool hall, bowling alley and numerous rooms overhauled with lavish furniture will make you a more responsible citizen? I contend that we have been sucked into the same old scramble for materialistic objects that has brought this nation to the state it is in now. A state where the people are still setting money and materialistic objects as their goals for a struggle. I think it is a shame that we got caught in the same trap, but we are students and still learning. It is with this thought in mind that I suggest that we, the student body, use the "Rock" to its fullest, not as the self-indulgence center for which it was designed, but rather as a base camp for actively exploring and developing new attitudes and goals, both for ourselves and for our country.

In no way am I promoting any subversive activities but rather an honest, conscious look at what we are doing here. And maybe even asking how we can do it better.

Kurt P. Kupper

War Machine

Editor: Mr. Bimlinski said (11:0-70) that "whether you and I are against the current war...in no way does this give us the right to suppress others' decision to participate in the war machine."

This is ridiculous! Wars do not affect only those who fight and work in support of them. Their influence extends to every person in the nation involved.

The most obvious is the effect it has on the economy. The Vietnam War is a cause of inflation, which is characterized by rising costs which cause disruptions in the nation through the striking of unions for higher wages. Millions of dollars are pumped annually into the in-satiable mouth of the War Machine (also known as Military-Industrial Complex, or more recently as the Military-Industrial Construction Worker Complex) which would have gone a long way toward ending the numerous problems of our country, such as poverty, pollution, racism, and cancer.

As long as the Machine persists in its insanity these problems will remain unsolved, and this country will come closer to revolution. Because of its continuing support of the Machine, the ROTC must become a target of those who fight. And even though the termination of ROTC on campus may only inconvenience the War Machine, an inconvenience here and there is much better than tolerating its blatant waste of human lives and resources. OFF ROTC!

Richard Robinson

Good education

Editor: Hot damn, Mr. Loudon, this truth which the campus where you will receive your darn good education! Peace and love will win in time but for now, get the hell out Mr. Clayson; if you feel a need to dissent with this conservative mold, kindly enroll where the embers of the local bank are still glowing.

Keep Cal Poly not so much in Fairyland but in its anachronistic intellectual vacuum self-perpetuated by a bureaucratic structure. Give no cognizance to a non student uprising struggling for a break from automation existence, but take pride in your stagnation. Perfonnate exacting self-respect in your unawareness of an almost forgotten attempt toward individual consciousness, revitalized to save your identity.

You are capably observant, Mr. Loudon; there are no banks in the nation. The ROTC must become a target of those who fight. And even though the termination of ROTC on campus may only inconvenience the War Machine, an inconvenience here and there is much better than tolerating its blatant waste of human lives and resources. OFF ROTC!

Michael Thayer

Teacher traffic

Editor: I am concerned about the selection of faculty and would like to add one final request.

Since I have been here, many fine teachers have come and gone—mostly gone. This is something that must be challenged when it appears to deprive us of that which we are here, whether it be education or preparation. How long this can continue unchecked is being asked more and more frequently by the serious student for which Cal Poly is known.

You must be losing sight of the fact that schools are for students, not faculty. When you lose the ability to serve in this function you must be replaced. For you to deny us the knowledge of views contrary to your own you both fail in this service and lose our respect; you condemn our concern as being destructive.

Thanking you for your interest in knowledge rather than self-elevating pretensions. Your security is becoming a distant memory along with that of your dear nation-wide, since to stifle mental growth is to lose your employment in herey.

Jeffrey A. Whitaker

Social Science Senior Project

According to Miss Mary Jane Kobayashi, assistant professor in the Social Sciences Department, all social science majors who intend to take Social Science 471, senior project, must meet with faculty advising next quarter. The meeting will take place at 11:10 a.m. this Thursday (today) in Library 128.

The meeting is for starting a senior project at the outset of next quarter. Students will learn what is expected in the senior project sequence, which areas of interest faculty suggest, and miss steps for starting a senior project at the outset of next quarter.

"They came from...

BRASIL'S JEWELERS

720 HILL ERA SAN LUIS OBISPO
STAFF COMMENT

Arch Council: apathy amuck

by Richard Palmer

This is the first in a series of articles designed to give students an insight into the workings of the school council, and ultimately, student government itself. Student government is a hard animal to define, and an even harder animal to understand. Joe Student often gets lost in the shuffle. But student government can be as close as a council meeting, for each school has its council and this is the place where the action can happen. And so, to better understand the creature called council and the place where the action can happen, the following is an account of, in the words of this council’s chairman, “the best meeting to date of the Architecture Council.”

The Architecture Council represents the largest department on campus, as over 1,200 are students enrolled in architecture. Obviously following the old adage of “too many cooks spoil the broth,” the Council began its last meeting with a slimmed-down roll call of ten people, which rose to twelve by the meeting’s end.

However, it should be noted that all those present distributed themselves evenly among the 40 or so chairs in the room, a clear attempt to halt the spread of any easily communicable disease, such as the flu or chicken pox.

The roll did not take long, and the group quickly proceeded by reading the minutes from their last meeting. The Council chairman then woke up one of the ten people, which rose to twelve by the meeting’s end.

Banke readily admitted that the proposal would have a profound effect on the present system of faculty tenure. The basic clause of the proposal for faculty evaluation states: “That a committee of students be established in each academic department for the purpose of evaluating faculty members and submitting recommendations for re-appointment, promotion and tenure.”

The proposal goes on to outline the way that these student committees might be set up, and notes at the end, “This proposal should be considered as a tentative one; any additions, comments or suggestions are welcome.”

Do you, if you are renting a place to live in the San Luis Obispo area, know your rights as a tenant? Have you any idea as to exactly what was in the lease you signed?

The recently established Tenants Association (T.A.) was established to help local tenants understand their rights and obligations under the law, and to act in their behalf in any disputes over these laws.

According to Pete Evans, a representative of the association, one of the most pressing problems that the T.A. plans to deal with is that of leases. He produced excerpts from leases used by all the large student housing complexes in the area, including housing for students on this campus. He felt that some were usurpations of rights that are solely the tenants.

The excerpts from these leases varied from charged idea for any guests that a tenant has in the dwelling after 2 a.m., to clauses which reserve the right of entry any time the landlord or management feels it’s necessary.

Evans stated that the only way to equalize the housing situation is through organization; the T.A. will only be effective if people will show support as a whole. He also pointed out that the owners

Students to rate faculty if proposal is accepted

At the Tuesday night meeting of the Poly Student Council, President Paul Banke brought forth a proposal for faculty evaluation, two years in the making, which will be finalized before the next meeting of the Council.

Banke readily admitted that the proposal will have a profound effect on the present system of faculty tenure. The basic clause of the proposal for faculty evaluation states: “That a committee of students be established in each academic department for the purpose of evaluating faculty members and submitting recommendations for re-appointment, promotion and tenure.”

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Evans stated that the only way to equalize the housing situation is through organization; the T.A. will only be effective if people will show support as a whole. He also pointed out that the owners

and management of the apartment and houses that are rentable in San Luis Obispo, have already organized.

The general meetings of the Tenants Association take place every Thursday on this campus at 7:00 in Science E-27. All tenants in the area are urged to come and participate.

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real poly speech dept. Nov. 19, 20, 21: rosenzweig & gueldenstein

students 1.00 are dead public 2.00
Stubborn climbers conquer El Capitan

Yosemite National Park, Calif. (UPI)—In an epic for the annals of mountaineering, Warren Harding and Dean Caldwell, the stubborn climbers who wouldn’t be rescued, conquered the 3,000-foot south-east face of El Capitan Wednesday.

Harding, 46, and Caldwell, 27, stepped up on the sloping dome of the huge stone monolith at the summit of the vertical "Wall of the Early Morning Light," El Capitan’s last major unclimbed route, at 10:14 a.m. An hour later they had completed the 400-foot hike from there to the top and the National Park Service declared the climb "officially completed at 11:16 a.m.

Grimy, bearded and hungry, the climbers were met by a cheering crowd of fellow mountaineers, newsmen and photographers who had hiked up on trails from the back of the monolith to be in on the finish of the 30-day ascent.

Harding, a West Sacramento, Calif., surveyor and the first man to climb El Capitan in 1968, and Caldwell, a Millw.

 Joe, photographer endured more than 30 days of dangling from the vertical stone wall, and day after day of soaking rainstorms which at one point prompted the National Park Service to try to "rescue" them.

But Harding last week angrily refused the rescue. When told "they’re going to rescue you," he shouted back: "Like Hell they are."

The Wall of the Early Morning Light, so called because it receives the first sunlight of the day, was the last of the un conquered potential routes up the face of El Capitan.

Free dinner for children

Chi Gamma Iota, Cal Poly Veterans Club, will sponsor a free Thanksgiving Dinner on Nov. 23 for approximately 150 local children.

According to club president Bruce Welland, the children who have been selected by the local office of the Salvation Army will be fed by the veterans from food which was donated locally.

One problem for the feast, to be held in the Veterans Memorial Building next Monday, is entertainment. The club has not been able to obtain enough children’s entertainment and is asking for volunteers.

If someone would like to perform for children in the age group of 8 to 12 years, call 481-6804 or 484-4932.

Architecture council...

(Continued from page 3)

The Council then turned introspective and pondered a recent lecture they had sponsored, where the turnout hadn’t been quite what they had hoped (the school dean, some students, and somebody’s wife does not make a capacity audience). In the words of the Council chairman, "We wondered what the turnout would be—stupendous that no one knows what Architecture Council is," rather.

During the introspection the council uncovered another slight flaw: namely, the positions of Vice-Chairman and Treasurer were still vacant. The chairman quickly began to solicit nominations to fill these posts. A young man arose to state that though he had never attended a Council meeting before, he was interested in the group, and that if it was alright he would like to nominate himself for the post. To which the chairman replied, "At this point, we’ll take another vote."

The candidates were then asked if they would like to leave the room while the voting took place. As neither could summon enough effort to move, the chairman spoke, "This is supposed to be a secret ballot, so everybody pretend like they’re closing their eyes."

With the vice-chairmanship filled, hot contention began for the Treasurer position. One member present spoke up to question the need for a treasurer, as there wasn’t any money, but to the majority it seemed like the right thing to do, so the nominations proceeded. The chair explained briefly the amount of apathy needed to fill the post, and two people were reluctantly nominated. Reluctant for sure, as they were the two who had just lost the race for the vice-chairman position. The voting began and a tie ensued, but it was broken when one of the candidates voted for himself.

The chair then called for reports from members of the Council. Four persons stated they had nothing. (Not surprising; ‘just nothing’ but the representatives to Student Affairs Council, in a previously unseen display of verbal longevity, summed up a 2 hour SAC meeting and a 3/4 hour City Council meeting with a one-minute oratory. This was an obvious attempt to hit just the high points of each meeting and not waste the Architecture Council’s time with insignificant detail.

A petition put out by the foreign students was then read before the council. The idea of posting the petition was discarded as nobody would probably see it that way. It was finally decided that if the petition was circulated in classes and labs, there would be a captive audience.

The newly-elected Treasurer seemed bothered by the fact that his post was lacking the one essential ingredient, money, and suggested several methods for obtaining some. One of the suggestions was that the old kiosk be used as a coffee hut but enthusiasm was dampened when someone pointed out that the old kiosk was lying on its side in the alley near the garbage cans. It was also mentioned that it might be better to last minute; there were rumors to the effect that six sophomore archies were living in it.

In an effort to prove that meetings such as these need not try one’s endurance, only one’s patience, the meeting was adjourned. The meeting had lasted 35 minutes.

Burris Saddlery


W. E. Burris, Mgr.

1033 Chorro St.

Phone 543-4101

No Bones About It

Bill and Sandy invite you to

A Try it Special
1 fillet of cod
1 shrimp
& chips
85c

Thurs.—Sun.

Foothill & Broad

Delight Palace

544-5010
Early application urged

If you want to get in, do it now! That's the word from Dr. David Kagan, Coordinator of Admissions Services for California State Colleges, on applying for college admission. Under the new Common Admissions Program students who wish to be admitted to a state college next fall should apply before Nov. 30. Between Nov. 3 and Nov. 30 all applications submitted will receive equal consideration within categories, priorities and quotas established at the 19 campuses.

Withholding not for Amish

WASHINGTON (UPI) — The Senate Finance Committee voted Wednesday to exempt from withholding taxes Amish people who refuse to accept Social Security benefits on religious grounds.

20 SANDWICHES

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The end product could be a cool drink of water.

Cayucos supplies water to San Luis Obispo and the Mens Colony in addition to this college. Lake Santa Margarita is at the head of the Salinas River and is supplied by several small creeks. The 40,000 acre foot lake is the principle source of water for this area. The north county lake, formerly known as Salinas Reservoir, has provided 90 per cent of the area's needs for the past 18 months. After the floods in early July, the water supply was temporarily switched to Whale Rock because of excessive waste materials in Lake Santa Margarita.

Raw water is pumped from the scenic lake and recreation area to the top of Cuesta Grade. There it is stored and allowed to flow by gravity to a water filtration plant on Stenner Creek Road.

Raw water from Whale Rock flows through a pipe by gravity all the way to the filtration plant. That pipe parallels Highway One from Cayucos to San Luis Obispo.

Carl Young, chief operator of the eight-year-old plant operation, explains it as a chemical processing unit. Built in 1964, the plant can produce eight million gallons of water a day.

The old plant, in operation between 1960 and 1964, produces five million gallons per day. Plans are underway to renovate it to produce about 7 million gallons a day. Young views the plant plans as farsightedness. “We don’t want to wait for an overloaded condition.”

Although the new plant is capable of producing an eight million gallon a day output, it is now producing 3.5 million gallons and averaging five million gallons a day. These variations are due to the extreme wet and dry seasonal conditions experienced in this area.

The critical chemical treatments which water receives before it is used at this college are a necessary insurance, according to Young. He feels that drinking the untreated water would be like playing Russian roulette. “You’ve got your neck hanging out if the water isn’t treated.”

Young graduated from the Oregon Technical Institute in 1948, and has over 12 years of experience with San Luis Obispo filtration plants. He has taught that: "It is better to be safe than sorry with water.” That is why a complicated system of pipes, valves and other equipment is diligently watched around the clock.

The plant has over 125 valves in many types and sizes from small ones up to valves of 48 inches. Other plant equipment includes chemical feeders for feeding lime, carbon, aluminum sulphate and fluoride. Also included are clarifiers that control the feeding of chlorine gas, a sulphide dust gas feeder and other items of mechanical and electrical equipment.

Water at the plant goes through four main processes, providing complete treatment through chlorination, chemical coagulation, sedimentation and filtration.

The process starts with the addition of chemicals to the raw water as required. Raw water is rapidly mixed with soda ash (an acid control element to achieve a proper alkaline level); alum (a coagulant which removes turbidity and color) and chlorine which kills bacteria, prevents the growth of algae and bleaches out colors. Activated carbon is also added during summer months for taste and odor control.

During the second processing operation, finely divided suspended matter adheres to floc particles and is precipitated. Flow continues through two flocculator units to the center of the clarifier, which has a diameter of 125 feet and a water capacity of over one million gallons. The clarifiers are as the area of contact between water and air is increased. Aeration improves taste by supplying deficient oxygen, reducing free carbon dioxide and eliminating many odorous constituents.

The fourth main stage of water filtration involves four sand filters. Water flows downward through the sand and gravel beds, collects and flows to an observation tank. At this point chlorine residual control equipment monitors chlorine levels, a small amount of fluoride is added and a sodaphosphate solution is added to retard pipeline corrosion. Finally, water flows into a four million gallon storage tank, and is ready for use.

Water flows from the storage tank to this college by gravity, according to Harold Grisham, head plumber here. Twenty inch water lines change to 15 inch lines at the main pump house, located next to the baseball field.

Two 75 horsepower electric motors alternate in pumping water if the gravity flow is not sufficient. Whether by gravity or electric power, water is regularly pushed to three hillside reservoirs for campus distribution. Two 800,000 gallon reservoirs, directly behind the brick dorms, and a 3,000,000 gallon tank further up the hill provide 30 per cent of the college’s water needs. Water pressure from city lines provide 20 per cent of the water needs, primarily to the lower part of the campus.

Grisham explained that all college water lines are in “pretty good shape because new construction started about 1964. The lines hardly ever give us trouble.” He lists sanitation, irrigation and personal consumption as the chief end products of college water.

Carl Young uses a hoist to easily handle 2,000 pound tanks of chlorine.

The main pump house, located next to the baseball field,

Streams to faucets

When done with work, Carl Young usually sits down for a cup of coffee before returning to his desk. Although the new plant is capable of producing an eight million gallon a day output, it is now producing 3.5 million gallons and averaging five million gallons a day. These variations are due to the extreme wet and dry seasonal conditions experienced in this area.

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During the second processing operation, finely divided suspended matter adheres to floc particles and is precipitated. Flow continues through two flocculator units to the center of the clarifier, which has a diameter of 125 feet and a water capacity of over one million gallons. The clarifiers are as the area of contact between water and air is increased. Aeration improves taste by supplying deficient oxygen, reducing free carbon dioxide and eliminating many odorous constituents.

The fourth main stage of water filtration involves four sand filters. Water flows downward through the sand and gravel beds, collects and flows to an observation tank. At this point chlorine residual control equipment monitors chlorine levels, a small amount of fluoride is added and a sodaphosphate solution is added to retard pipeline corrosion. Finally, water flows into a four million gallon storage tank, and is ready for use.

Water flows from the storage tank to this college by gravity, according to Harold Grisham, head plumber here. Twenty inch water lines change to 15 inch lines at the main pump house, located next to the baseball field.

Two 75 horsepower electric motors alternate in pumping water if the gravity flow is not sufficient. Whether by gravity or electric power, water is regularly pushed to three hillside reservoirs for campus distribution. Two 800,000 gallon reservoirs, directly behind the brick dorms, and a 3,000,000 gallon tank further up the hill provide 30 per cent of the college’s water needs. Water pressure from city lines provide 20 per cent of the water needs, primarily to the lower part of the campus.

Grisham explained that all college water lines are in “pretty good shape because new construction started about 1964. The lines hardly ever give us trouble.” He lists sanitation, irrigation and personal consumption as the chief end products of college water.

Carl Young uses a hoist to easily handle 2,000 pound tanks of chlorine.
Two faculty members named department heads

Two faculty members with more than 10 years of teaching service at this college have been named to department head positions at the college.

Dr. William M. Alexander will head the Economics Department, and Dr. Paule H. Tellw will head the Economics Department. Both have been serving as acting heads of the respective departments in recent months.

The appointments were announced by President Robert E. Kennedy, who said recommendations were made by both Dr. George G. Clucas, interim dean of the School of Business and Social Sciences, and Dr. Edward H. Barker, who is expected to assume his duties as dean of the school about Feb. 1. The Economics Department and the Social Sciences Department are both in the School of Business and Social Sciences.

Changes in extension program seen

Changes in Extension Program Service Areas of the California State Colleges have been announced by Chancellor Glenn E. Dumke.

Extension programs, self-supporting through fees paid by students, are conducted at off-campus locations for adult candidates to improve their educational backgrounds and career opportunities.

The program at this college will now serve San Luis Obispo and Santa Barbara counties.

Taxes fail to faze Italians

ROME (UPI)—Government officials said Wednesday that Italians currently are evading taxes at a rate equivalent to 4.08 billion annually, nearly 20 per cent of the total assessed taxes for 1969.

Psychic expert to speak here

Interested in investigations into the psychic world? Wondering about the possibility of reincarnation, Atlantis, E.G., man's true relationship to God? If so, there is an opportunity to listen to an expert on the greatest topic of all in the Santa Barbara area.

Dr. Michael Zepron of the Counseling Center indicated recently that Dr. Edgar Cayce, the Association for Research and Enlightenment, founded in 1936 by the late Mrs. Edgar Cayce, who is the living prophet.

General Electric talk about thermal pollution when they talk about nuclear power plants?

General Electric pioneered the development of nuclear power plants in 1957.

From the beginning, it was felt that the greatest advantage of nuclear power was environmental. Unlike fossil-fueled power plants, nuclear plants don't burn anything to make electricity. And where there's no fire, there's no smoke.

But there's a possible disadvantage as well. It's true, it's environmental: Thermal effects.

We recognize it.

One Cle advertisement you may have seen recently pointed out that "all nuclear power plants discharge heat, as do fossil-fueled plants. America utilities with many years of experience, are working on thermal problems at nuclear sites on a plant-by-plant basis."

General Electric does talk about thermal effects. Because they are important, but also because we feel the facts about them are perhaps too little known.

Few people realize, for example, that federal law requires utilities to operate their plants within strict temperature limits. Thirty states have even stricter laws. Utilities are spending millions of dollars on dilution flow systems, cooling ponds and cooling towers to comply.

But, in addition, utilities are sponsoring basic research on the problem of heat exchange and its effect on aquatic life. More than 97 utilities have been financially involved in over 300 such studies. And each one adds a little to man's scientific understanding of the problem.

Some interesting things have already come of it. For one, it's been found that, in some cases, adding heat to water can actually be beneficial. Warm irrigation water has extended growing seasons. Warm water has created new wintering ponds along waterfowl migration routes.

Power-plant discharge water is reviving Long Island's oyster trade. Florida is using it to grow shrimp and lobster. In Texas, it's increasing the weight of commercial catches by as much as 500%.

Listing these benefits is not to beg the issue. Thermal effects remain a tough problem to solve at some sites. Each plant must be considered individually, in its own environment, and this is being done.

General Electric, the electric utilities and the environment will continue to work. Work hard.

Because we think the advantages of nuclear power far outweigh the disadvantages.

Why are we running this ad?

We're running this ad, and others like it, to tell you the things General Electric is doing to solve the problems of man and his environment today.

The problems concern us because they concern you. We're a business and you are potential customers and employees.

But there's another, more important reason. These problems will affect the future of this country and this planet. We have a stake in that future. As businessmen. And, simply, as people.

We welcome your comments.

Please write to General Electric, 570 Livingston Ave., New York, N.Y. 10022.
Water poloists head for State Invite, tourney

Despite the fact his water polo team finished at the bottom of the California Collegiate Athletic Association standings with an 0-4 record and an 11-10 overall mark, Coach Dick Anderson looks optimistically at this weekend’s State College Invitational tournament to be held at Cal Poly Pomona on Friday and Saturday. "We’re much tougher this year than we have been in the last couple of seasons," Anderson commented. "I actually think we will go into the tournament this weekend as the darkhorse and could come out winning the whole thing. The five teams in our league are awfully close and the team which gets the early breaks is going to win it," he added.

CCAA champion Cal State Fullerton, winner of all four of its league matches, will be favored to win the tournament which is to be the Old State Tournament. It was to be an invitational for all of the state colleges in California prior to the realigning of the CCAA and the formation of the Pacific Coast Athletic Association. Now the most actually is a CCAA conference championship with out the title trimming.

This will be the final competition of the year on the 1970 Mustang water polo schedule.

Grid clash hour altered

All those who plan to attend this Saturday’s Mustang-UC Santa Barbara football clash should be advised that the time of the contest has been changed to 1 p.m. on Saturday in the Santa Barbara Stadium.

The game was previously scheduled for 8 o’clock on Church. After two weeks of competition, the league which gets the early breaks will pay your U.S cleaning deposit contract available for female at Rhon* 544 4015

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In 3 way tie

After two weeks of competition in the newly formed Smallbore Rifle League, the number one and number two Mustang shooting teams are battling head and head in a three way tie for first place with Claremont College. All three teams have two victories to their credit.

The league which was founded this year through the efforts of Sam Thomas, a member of the Mustang shooters, consists of Victory Valley College, Claremont, UC Santa Barbara, the Mustang ROTC team and the number one and two teams from this campus.

The Mustang number one team currently boasts the number one shooter in the league in Tim Andrews. In the two weeks of competition Andrews has a combined total of 537 points. Closest behind him is Bob Morris of Claremont with 510 points.

The Mustang number two squad and Claremont College are tied with Thomas’s squad for first. Photo by Dick Boone.