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## ABSTRACT

Faculty salary and fringe benefit data for 1985-1986 ard 1986-1987 at California State University and the University of California are examined, along with data for comparison institutions. University oi California medical faculty salary comparisons from 1984-1985 are also provided. Statistics on salary and fringe benefits are provided by faculty academic rank. The fringe benefit package includes retirement and a comprehensive array of insurance for life, medical and dental care, nonindustrial disability, workers' compensation, and unempioyment. Also considered briefly are economic conditions in California and the nation. Appended materials include: state legislation concerning academic salaries and welfare benefits; information on procedures for stato-level reporting on faculty salaries and fringe benefit costs in public higher education, 1985-1995; a 1965 state staff repo:t on a me hod for reporting to the legislature on salaries and benefits for faculty at state institutions; a report on University of California faculty retirement income value of comparison institutions, 1984-1985; a report on faculty income maintenance programs at California State University and comparison institutions; and data on the University of California retirement system. (SW)

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## Summary

Each Yar, a acculdance with State Enncurrent Resplution Sio 51 of the 1955 Generai Iagishative Sesolun, the Caiferna Postsecondarv Education Ccmmission submits W) the Governor and the Legisiature an malyais of racuity salaries and the cost of fringe benefits for the, ity of Caiifornia and the California State University a. . Otip of compartson institutions ior the forthcoming tisc fear.

This epport constitutes the Commisiton's 1985 renort ior rre 1986-87 tiscal year.

- Chapter One traces the history of these arnial reporta and explains changes during the past year in the meth--dology used Sur them (pages 1-3).
$\rightarrow$ Chapter Two presents a brief survey of recent economic trends aifecting the faculty 'pages 56 )
- Chapter Three displays the results of the most recen: comparison institution surveys ior the University and State University, which indicate the Caiversity will n-wh a 1 a percent all-ranks salary increase io mantain Sority during 198in-öt and -- baspa din incorplete cata --
 13.350ヶ712)
- Chapter Four offers data on the cost of fringe benefits it the two segments and comments on two recent fringebeneit reports that they have submited in response io !egrslaive requests (pages 13-18).
* Chapter Five presents comparison institution cata on nedical :chool salaries during 1984-85 (pases 19-20)
- Chucter Six offers a summary of the reports Eindings as isil as observations on faculty compensation and the afectiveness of the Commission's new methodedury or sateer comprative salary data (pager $21-22$ )
- l'e apperdices on paces $23-37$ provide hacarana rivematha for the seieral ehapters
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# FACULTY SALARIES IN CALIFORNIA'S PUBLIC UNIVERSITIES 1986-87 

The Commission's 1985 Report to the Legislature and Governor in Response to Senate Concurrent Resolution No. 51 (1965)

CALIFORNIA POSTSECONDARY EDUCATION COMMISSION Second Floor - 1020 Twelfth Street • Sacramento, California 95814


## COMMISSION REPORT 85-43

## DECEMBER 1985

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## Appendices

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ANNUALLY, in accordance with Senate Concurrent Resolution No. 51 of the 1965 General Legislative Session (reproduced in Appendix A on page 23), the University of California and the California State University submit to the Commission data on faculty salaries and the cost of fringe benefits for their respective institutions and for a group of comparison colleges and universities. On the basis of these data, Commission staff develops estimates of the percentage changes in salaries and the ccst of fringe benefits required to attain parity with the comparison groups in the forthcoming fiscal year. The renort is required by the methodology $u$ be submitted to the Governor and the Legislature by January 1 of each year.

The methodology by which the segments collect these data and the Commission staff analyzes them (Apperdix B, pages $25-29$ ) has beer. designed by the Commission in consultation with the two four-year segments, the Department of Firiance, and the Office of the Legislative Analyst and has been published in the Commission's Methods for Calculating Salary and Fringe Benefit Cost Comparı sons (March 1985).

In 1979, the Legisiative Analyst recommended that: the Commission "include community college salaries and benefits in its annual report on faculty salaries." A preliminary report on that subject was submitted in 1979, and the Commission has continued to provide data and comments on the subject since then. For che 1986-87 budget cycle, the Commission will iss,ue its Community College report in the spring of 1986.

## History of the faculty salary reports

The impetus for the faculty salary report came from the Master Plan Survey Team in 1960, which recommended that:

3 Greatly increased salaries and expanded fringe benefits, such as health and group life insurance, leaves, and travel funds to attend professional meetings, housing, parking and moving expenses, be provided for faculty members in order to make col-
lege and university teaching attractive as compared with business and industry.
8. Because of the continual change in faculty demand and supply, the coordinating agency annually collect pertinent data from all segments of higher education in the state and thereby make possible the testing of the assumptions underlying this report (Master Plan Survey Team, 1960, p. 12).
For four years thereafter, the Legislature continually sought information regarding faculty compensation, information which came primarily from the Legislative Analyst in his Analysis of the Budget Bill and from the Conrdinating Council for Higher Education in its annual reports to the Governor and the Legislature on the level of support for public higher education. While undoubtedly helpful to the process of determining faculty compensation levels, these reports were considered to be insufficient, especially by the Assembly, which consequently requested the Legislative Analyst tr, prepare a specific report on the subject (House Resolution No. 250, 1964 First Extraordinary Session; reproduced in Appendix C, pages 31-32).
Early in the 1965 General Session, the Legislative Analyst presented his report (Appendix D, pages 3342) and recommended that the process of developing data for use by the Legislature and the Governor in determining faculty compensation be formalized. This recommendation was embodied in Senate Concurrent Resolution No. 51 (19̂̄5), which specifically directed the Coordinating Council to prepare annual reports in cooperation with the University of California and the California State Colleges.

Since that time, the Coordinating Council, and more recently the Commission, have submitted reports to the Governor and the Legislature. Prior to the 1973 74 budgetary cycle, only one report was submitted, usually in March or April. Between 1974-75 and 1985-86, the Commission compiled two -- a preliminary report transmitted in December, and a final report in April or May. The first was intended principally to assist the Department of Finance in develop-
ing the Governor's Budget, while the second was used by the Legislative Analyst and the legislative fiscal committees during budget hearings. Each of them compared faculty salaries and the cost of fringe benefits in California's public four-year segments with those of other institutions (both within and outside of California) for the purpose of meintaining a competitive position.

## Changes in content and methodology

Over the years, the Commission's salary reports have become more comprehensive. Where they originally provided only comparison institution data, they have occasionally been expanded to include summaries of economic conditions; comparisons with other professional workers; discussions of supplemental income and business and industrial competition for talent; and analyses of collective bargaining, Community College faculty salaries, medical faculty salaries, and administrators' salaries. The last three of these additions to the annual reports were all requested by the Office of the Legislative Analyst, Community College and medical faculty salaries in 1979, and administrators' salaries in 1982.

In 1984, the Commission convened an a dvisory committee consisting of representatives from the segments, the Department of Finance, the Office of the Legislative Analyst, and other interested parties to review the methodology under which the salary reports are prepared each year. That committee's deliberations led to a number of substantive revisions which were approved by the Commission last March in the previously mentioned Methods for Calculating Salary and Fringe Benefit Cost Comparisons. Among the more significant of the changes were those to create a new list of comparison institutions for the State University, to produce only a single final report rather than both a preliminary and a final report, and to provide University of California medical faculty salary information biennially rather than annually. In this year's report, current medical faculty data are not presented, but because no report on medical salaries was published last year, last year's data are included in Chapter Five below. Not included in this report are data on administrators' salaries. Those data are still being collected and will be presented in a supplemental report in the spring of 1986 at about the same time as the Commission's regular report on Community College salaries.

Ir past years, particularly in the late 1970s and early 1980s, the Commission's faculty salary reports included comprehensive surveys of ecnnomic conditions and occupational comparisons. There was a compeling need for such data at that time since comprehensive evidence had shown that faculty salaries at most institutions of higher education across the country were not keeping pace with changes in the cost of living or with salary increases granted to other professional workers. Since faculty salaries in California are based primarily on inter-institutional comparisons, those at the University of California and the Ca'ifornia State University were undergoing an economic erosion comparable to that experienced nationally. That erosion made it increasingly difficult to recruit the most talented young teachers and researchers, especially in competition with the substantially higher salaries generally available in business and industry. Consequently, in order to provide the Governor and the Legislature with as much information as possible on a complex situation, the Commission thought it prudent to expand considerably the scope of those salary anelyses.
In the past two years -- 1984-85 and 1985-86 -- the salary deficiencies experienced by faculty ir. the two public four-year segments have largely been corrected, as have those of most other institutions of higher edu ation across the country. With the impressive recovery of the national economy, and the even more impressive recovery of California's economy, funds have become available to restore faculty salaries to levels where the segments are better able to competc. As a resulu, there is less need for the extensive data on economic conditions and occupational comparisons that the Commission published in prior years.

## Contents of this year's report

For the 1986-87 cycle, this report contains four more chapters beyond this introduction.

- Chapter Two offers a brief overview of economic trends and a few comments on the likelihood of continuing prosperity and low inflation.
- Chapter Three displays the results of the most recent comparison institution surveys for the University and the State University.
- Chapter Four shows similar data for the cost of fringe benefits and offers comments on two recent
fringe-benefic reports submitted by the four-year segments in response to legislative requests.
- Chapter Five presents comparison institution data on medical salaries from 1984-85.
- Finaliy, Chapter Six offers a summary of the report's findings as well as some observations on the general subject of faculty compensation and the effectiveness of the Commission's new methodology


# 2 Faculty Salaries and Economic Conditions 

THE 1983 recovery was among the more dramatic events in American economic history. Where the Gross National Product rose only a discouraging 0.1 percent for the entire three-year period between 1980 and 1982, it rose 3.7 percent in 1983 and 6.8 perrent in 1984, a!l in constant 1972 dollars. A similar situation occurred with personal income. Between 1980 and 1982, annual rates of real (constant dollar) increase averaged 1.4 percent, but in 1983 and 1984, they climbed 5.5 percent each year. At the same time, where the United States Consumer Price Index (CPI) rose at an average annual rate of 10.9 percent for the four-year period between 1078 and 1981, it averaged only 3.9 percent from 1982 to 1984 and is running at an annual rate of 3.8 percent at present.
The trends for California were comparable but even more beneficial. According to the UCLA Graduate School of Management (1384), California's Gross State Product rose 0.6 percent per year between 1980 and 1982 in real terms, then 4.6 percent in 1983 and 9.4 percent in 1984. California's personal income increases in constant dollars were 2.1 percent per year from 1980 to 1982, 3.3 percent in 1983, and 9.0 percent in 1984. California price increases averaged 11.3 percent between 1978 and 1981, then 4.5 percent from 1982 to 1984, and approximately 5.5 percent since then. California's inflation rate is higher than that currently being experienced rationally, but this disadvantage is offset -- and probably caused in part -- by the fact that both the Gross State Product and State personal income are increasing at substantially higher rates than the Gross National Product and national personal income.

In spite of the fact that inflation has moderated to levels thought by many to be impossible five years ago, it remains a concern for a number of reasons, one of which is the fact that there is precedent for a re-ignition of price escalation. In 1973-74 and 197475 , CPI changes were 9.0 and 11.1 percent, respectively. They dropped to only 5.8 percent in 1976-77, then rose to the record levels of the late decade. In addition, there is a general nervousiness about economic conditions in a number of quarters, despite
the fact that the economy is expanding, the stock market is booming, and inflation is low and stable. This may seem anomaion's, but there are good reasons why caution should be exercised, particularly with regard to inflation. Six of the more prominent ones mentioned recently by the Research Institute of America can be summarized as follows:

1. Federal Deficits: Efforts to reduce the deficit have been almost entirely unsuccessful, and as of the end of the federal fiscal year (September 30), it stood at a record $\$ 217$ billion. Large deficits have often been inflationary in the past, in part because they stimulate economic expansion and the demand for goods and services, and in part because they increase interest payments on the national debt, thereby either creating larger deficits or higher taxes, both of which can be inflationary.
2. Taxes: Most economists see a tex increase as inevitable as deficits grow.
3. Imports and a Weakening Dollar: The dollar has been very strong against other currencies for several years. It is weakening now, and as it does, the prices of imported products will rise. Areas to watch are automobiles, textiles, steel, and electronic products. If the prices of imports rise, American manufacturers may be tempted to follow suit.
4. Unemployment: Unemployment has remained high in spite of the recovery With Congressional elections coming up in 1986, the prospect of a jobs bill increases. If such a bill were passed, and survived a probable presidential veto, it could further increase the deficit and give further impetus to inflation.
5. Oil: Although prices have been stable for several years -- a condition caused at least in part by the disunity of the Organization of Petroleum Erportin3 Countries (OPEC) -- inventories are thinning, leading some analysts to predict near term increases.
6. Recession: There is no question that the recovery is slowing down, and this fact has increased spec-
ulation that a recession of unknown dimensions will occur in 1986. If it roes, pressures on such government services as unemployment insurance and aid to families writh dependent children will increase at the same time that revenues decrease. Undea such circumstances, the deficit could grow even higher than the record levels evident today, thus reintroducing the possibility of an inflationary recession similar to that experienced only a few years ago.

Of course, none of these conditions or possibilities has yet occurred, and there appears to be no consensus among ecunomists regarding the economy's direct.on in 1986. In the final faculty salary reports previously published in the spring, the Commission was able to include information from banks, the

State Department of Finance, $t=$ Graducte School of Management at CCLA, and otier economic forecasters on the probable state of the economy in the forthcoming calendar and fiscal years. Unfortunately, most of these formal forecasts are not avalable as of this writing, and those that are tend to be preliminary and tentative. Many indicators are contradictory, such as the stock market surge at the same time that growth in the Gross National Product is clearly slowing, and continuing price stability in the face of many factors, as noted above, that have often driven prices higher in the past. There is also the resiliency of a celatıvoly high unemployment rate after three strong years of economic grov'th. Opposing factors such as these appear to account foi the particularly large differences among economists in recent months as to where the economy is going.

# Projected Salaries at the University of Californic and the California State University Required for Parity with Comparison Institutirn Projections, 1985-86 and 1986-87 

## University if California

On November 14 and 15, the Regents of the University of California met at UCLA and requested the Governor and the Legislature to approve funding sufficient to grant University faculty an average salary increase of 6.6 percent. This amount includes 1.4 percent to maintain parity with a group of eight comparison institutions plus anotner 5.2 percent to maintain what the University administration has termed the "margin of excellence" -- roughly the amount by which it currently leads the average of its comparison group in the current year. Display 1 below and Display 2 on page 9 show average salaries and parity requirements for University of Califorria faculty for the current and budgec years, but as Display 2 shows, the University's current-year lead over its comparison group is actually 5.9 percent.

The University requests this additional amount on at least three grounds according to the agenda item presented to the Regents.

- First, the "margin of excellence" has improved the University's recruiting environment considerably, but "it is impu:tant to sustain the competitive margin and not to ! Jse the long-term benefits achieved by the substantial gains of the recent past."
- Second, the University argues that inflation in California is hif .er chan the rest of the nation by about 0.6 perce.nt ( 4.1 to 3.5 percent according to LCLA's Graduate School of Management) and that this difference should be recognized.
- Third, housing costs continue to be high ir California.

Regaıuing these points, the California Postsecondary Education Commission has never taken an official position on the "margin of excellence" issue, since it is not one capable of analytical resolution but a policy quefstion to be resolved by the Governor and the Legislature. Concerning inflation rates, predictive differences of less than 1 percent are too small to be considered re'iable, especially for a salary year which will not begin until July 1, 1986. It therefore seems imprudent to provide for a salary differential based on that factor Finally, while it is a fact that housing costs in California are generally higher than in most other parts of the country, across-theboard salary increases may not be the best way to address the problem. This is because many current faculty members already own homes and are not in net $d$ of addirional funds to finance them. A preferred approach is to prov, te special subsidies to those faculty who need assistance, and it is one approach that the Uni rersity has adopted in recent years.

DISPLAY 1 University of California Actual and Projected Comparison Institution Salaries (Equal Weight io Each Comparison Institution)

| Academic Rank | Comparison Group Unweighted Average Salaries |  | Compound Rate of Increase | Compa ison Group Projected Salaries (1986-87) |
| :---: | :---: | :---: | :---: | :---: |
|  | 1980-81 | 1985-86 |  |  |
| Professor | \$38,144 | \$55,136 | 7.647\% | \$59,352 |
| Associate Prcfessor | \$25,635 | \$37,417 | 7.857\% | \$40,357 |
| Assistant Professor | \$20,096 | \$30,927 | 9.005\% | \$33,712 |

[^1]DISPLAY 2 Percentage Increase in University of California 1985-86 All-Ranks Avercge Salary Required to Equal the Comparison Group Projections for 19ís-8i'

| Academic Rank | Cniversity <br> of California <br> Average <br> Salari $\angle S$ <br> $1985-86$ | Comparison Group Salarips |  | Percentage Increase Required in University of California Salaries |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1985-86 (Actual) | 1986.87 <br> (Projected) | $\begin{gathered} 1985-86 \\ \text { (Actual) } \end{gathered}$ | 1986-87 (Projected) |
| Professnr | \$58,576 | \$55,136 | .359,352 | -5.873\% | 1.325\% |
| Associate Professor | \$38,871 | \$37,417 | \$40,357 | -3.741\% | 3.822\% |
| Assistant Professor | \$34,188 | \$30,927 | \$33,712 | -9.538\% | -1.393\% |
| All Ranks Averages | \$51,188 | \$48,171 | \$51,929 | -5.893\% | 1.448\% |


|  | Professor | Associate <br> Professor | Assistant <br> Professor | Total |
| :---: | :---: | :---: | :---: | :---: |
| University of California Projected Budget-Year Staffing Pattern | 3,302 | 1,005 | 707 | 5,014 |

Source: Letter to Patrick M. Callan from Calvin C. Moore, Assistant Vice 1.asident - Academic Personnel and Planning,
University of California, November 11, 1985 .

Display 3 on the opposite page shows the average salaries for $1985-86$ at the University's eight comparison institutions and the University's current position on the list at each rank. It indicates that the University ranks about third on the list overall with salaries 6.2 percent ahead of the average of the comparison group for full professors, 3.9 percent ahead for associate professors, and 10.5 percent ahead for assistant professors.
As noted in the discussion of ne ne' methodulogy $i$. Chapter One, this is :he first year that final cur'er. year data were to be obtained from the comparison institutions. Of the University's eight compar'son institutions, complete figures were obtained from seven by the November 15 deadlin the only exception being unable to submit final figures because its collective bargaining process remains incomplete as of this writing. Despite this difficalty, University of California officials talked at length to representatives of the institution involved, who indicated that its eventual settlement will probably involve a total increase of about 6.0 percent. Accordingly, that percentage has been applied to the 1984-85 data to produce a current-year figure that will probably be very close to the actuai one. If thal figure is high or low
by 1 percent, it will affect the overall parity figure by only one-tenth of a percentage point. In other words, with the current parity figure of 1.449 percent for 1986-87, the change would only be negligible -- only to 1.439 or 1.459 .

During the deliberations of the Commission's advicory committee on the methodology for determining faculty salary comparisons, the representative ' m the Department of Finance asked that the Uni-
ity use the same analytical technique employed $y$ the State Ur.iversity -- an averaging of staffing patterns between the State University and its comparison group -- to compute its parity figure. The University did not agree to this change in the methodology for cumputing parity, but the Commission agreed to present the results of the technique in its annual report. The use of this technique would change the University's parity figure from 1.44 percent to 1.38 percent -- a difference of 0.06 percent. However, since salary appropriations are always rounded off to the nearest tenth of a percentage point, the parity figure remains at 1.4 percent, regardless of which calculation is used to produce it. The computations are sh $h^{-}$in Display 4 at the top of page 10 .

DISPLAY 3 Average Comparison Institutıon Salaries and University of California Position, 1985-86.

| Inscitution | Professor/Rank | Associate Professor/Rank | Assistant Professor/Kank |
| :---: | :---: | :---: | :---: |
| H | \$64,452 (1) | \$36,065 (7) | \$30,575 (6) |
| A | 62,648 (2) | 42,900 (1) | 34,828 (1) |
| D | 59,868 (3) | 36,450 (6) | 28,603 (9) |
| University of Culifornia | 58,576 (4) | 38,871 (3) | 34,188 (2) |
| C | 56,062 (5) | 39,761 (2) | 30,968 (4) |
| F | 53,234 (6) | 38,310 (4) | 30,549 (7) |
| G | 50,666 (7) | 35,279 (8) | 30,814 (5) |
| E | 49,594 (8) | 37,665 (5) | 31,769 (3) |
| B | 44,565 (9) | 32,902 (9) | 29,310 (8) |
| Average (excluding UC) | \$55,136 | \$37,417 | \$30,927 |
| Cniversity of Californa Lead Over the Comparison Institution Average | 6.2\% | 3.9\% | 10.5\% |

Source: Letter to Patrick M. Callan from Calvin C. Moore, Assista'it Vice President - Academic Personnel and Planning, University of California, November 11. 1985.

## The California State University

The data submitted by the State University on November 15 were defective. When the Commission approved the new methodology last March, it approved a new list of 20 comparison institutions for the State University. Of those, only 16 originally agreed to supply data for the annual survey. Subsequent efforts to obtain substitute institutions produced two further acceptances early in the fall -from Loyola University of Chicago as a substitute for DePaul, and from Reed College in Oregon for Lewis and Clark. The Baltimore campus of the University of Maryland and Tufts University have also agreed very recently .. as substitutes for the University of Miami (Florida) and Boston University -- but there has not been sufficient time to analyze those institutions' data. All of the substitutions have been reviewed by Commission staff for comparabiity to the State University, and all have been accepted by the Department of Finance and the Office of the Leg. islative Analyst.

Although 18 institutions have responded for t.e (3. 186-87 report, actual data were available from only
five as of November 15. Additional data from eight institutiors were received on December 4 and are currently being analyzed The remaining seven submitted partial data that require estimates or projections based on prior experience. Several are in various stages of completing salary negotiations, updating payroll computer runs, or in the process of forwarding data. Three of the seven who reported partial information were only able to provide cost of living (COLA) data.

The difficulty this presents stems from the fact that, although percentage increases for colas may be known early in the academic year, the effect on total salaries causeci by merit increases, promotions, and turnover at each professiorial rank is substantial and must be accounted for when calculating parity figures for the budget year. Because of this, confidence in the projections can only be obtained by examining actual payroll runs, including the number of far ulty at each rank. This confidence is important, since each percentage point of faculty salary increase at the State University represents an appropriation of approximately $\$ 7.3$ million.

DISPLAY 4 Percentage Increase in Un:verstty of California 1985-86 All-Ranks Average Salary Required to Equal the Comparison Group Projections for 1986-87

| Academic Rank | $\underset{\text { Average }}{\mathrm{CC}}$ Salaries <br> 1985-d6 | Comparison Group Salaries |  | Percentage Increase Required in UC Salaries |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} 1985-88 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 1986-87 \\ \text { (Projected) } \end{gathered}$ | 1985-86 (Actual) | $\begin{gathered} 1986-87 \\ \text { (Projected) } \end{gathered}$ |
| Professor | \$58,576 | \$55,136 | \$59,352 | 3.066\% | 9.932\% |
| Associate Professor | \$38,871 | \$37,417 | \$40,357 | -0.472\% | 6.290\% |
| Assistant Professor | \$34,188 | \$30.927 | \$33,7i2 | 1.196\% | 8.528\% |
| All Ranks Averages |  |  |  |  |  |
| Weighted by University of California Staffing Pattern | \$51,188 | \$42,171 | \$51,929 | -5.894\% | 1.448\% |
| Weighted by Comparison Institution Staffing Pattern | \$48,958 | \$45,975 | \$49,603 | -6.091\% | 1.137\% |
| Mean All-Ranks Average and Gross Percentage Amount | \$50,073 | \$47,073 | \$50,766 | -5.991\% | $1384 \%$ |


|  | Professor | Associate <br> Professor | Assistant <br> Professor | Total |
| :--- | :---: | :---: | :---: | :---: |
| Staffing Pattern |  |  |  |  |
| University of California | 3,302 | 1,005 | 707 | 5,014 |
| Comparison Group | 4,836 | 1,803 | 1,918 | 8,557 |

Source: Letter to Patrick M. Callan from Calvin C. Moore, Ncvember 11, 1985, plus supplementary data from the Office of the President, University of Califirma.

Over the next several months, the Office of the Chancellor will submit additional data to the Commission, but it is probable that a final delineatior of current-year salary changes for all State University comparison institutions will not be available until February or March, 1986. .

In order to identify methods of developing an accurate parity figure for 1986-87 for consideration by the Department of Finance in its preparation of the Governor's Budget, Commission staff reconvened the Faculty Salary Methodology Committee on November 26,1985 . During that meeting, sevetal alternatives were discussed with staff from the Department of Finance, the Legislative Analyst's Office, and the segments. The consensus among State officials was that the Commission should not publish a parity figure for 1986-87 until actual data from a substantial majority of the comparison institu-tiinns were received. It was further agreed that State University officials would make every effort to obtain actual, current-year data from as many of the com-
parison institutions as possible, especially irom those with the largest numbers of faculty, since those institutions have a greater impact on the parity figure than the smaller ones. The Committee finally agreed that the results of the State University's efforts would be shared among its members by December 13 in order to provide the Commission with the most up-to-date information for its deliberations. Staff will present these data to the Commission at its meeting on December 16.

As of December 13, the State University had compiled actual current-year data for 13 institutions and partial data for the remaining seven. In two cases, the partial data include the current-year staffing pattern as well as the percentage cost of living adjustment (COLA). Four others did not submit staffing data but did advise the State University conceraing their colas. The seventh institution provided current-year staffing data but no COLA.

Given these data, Commission staff compiled the figures shown in Displays 5 and 6 on page 11. They

DISPLAY 5 California State University Actual and Projectea Comparison Institution Salaries (Weighted by Total Faculty at Each Rank) ${ }^{i}$

| Academic Rank | Average Salaries (Weighted by Size of Faculty at Each Institution) |  | Compound Rate of Increase | Comparison Group Projected Salaries |
| :---: | :---: | :---: | :---: | :---: |
|  | 1980.81 | 1985-86 |  |  |
| Professor | \$34,208 | \$47,237 | 6.667\% | \$50,386 |
| Associate Professor | \$25,352 | \$35,233 | 6.804\% | \$37,630 |
| Assistant Professor | \$20,392 | \$29,085 | 7.360\% | \$31,226 |
| Instructor | \$15,804 | \$22,521 | 7.341\% | \$24,174 |

1. Comparison institution salaries for 1985-86 are estimates based on partial data.

Source: Letter to William L. Storey from Therry Koenig, Office of the Chancellor, The Californa State University November 15, 1985.

DISPLAY 6 Percentage Increase in California State University 1985-86 All-Ranks Average Salary Required to Equal the Comparison Group Projections for 1986-87

| Academic Kank | $\begin{gathered} \text { CSU Average } \\ \text { Salaries } \\ 1985-86 \\ \hline \end{gathered}$ | Comparison Group Salaries |  | Percentage Increase Required in CSU Salaries |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & 1985-88 \\ & \text { (Actual) } \end{aligned}$ | $\begin{gathered} \text { 1986-87 } \\ \text { (Projected) } \end{gathered}$ | 1985-86 (Actual) | $1986-87$ (Projected) |
| Professor | \$45,820 | \$47,237 | \$50,386 | 3.093\% | 9.966\% |
| Associate Professor | \$35,383 | \$35,233 | \$37,630 | -0.424\% | $6.351 \%$ |
| mssistant Professor | \$28,558 | \$29,085 | \$31,226 | 1.845\% | 9.341\% |
| Instructor | \$24,955 | \$22,521 | \$24,174 | -9.754 | -3.129\% |
| All Ranks Averages |  |  |  |  |  |
| Weighted by CS'j Staffing Pattern | \$40,935 | \$41,825 | \$44,652 | 2.174\% | 9.081\% |
| Weighted by Comparison Institution Staffing Pattern | \$36,780 | \$37,247 | \$39,805 | 1.270\% | 8.226\% |
| Mean All-Ranks Average and GPA ${ }^{2}$ | \$38,857 | \$39,536 | \$42,229 | $1746 \%$ | 8.676\% |
| Adjustments |  |  |  |  |  |
| Turnover and Promotions |  |  | -\$78 |  | 0.200\% |
| Effect of Law School Faculty |  |  | -\$311 |  | 0.800\% |
| Unallocated Califorma State University Merit Award Adjustment |  |  | -\$311 |  | 0.800\% |
| Net Parity Salary and Percentage |  | \$41,529 |  | 6.876\% |  |


|  | Professor | Associate <br> Professor | Assistant <br> Professor | Instructor | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Staffing Pattern: |  |  |  |  |  |
| California State University | 7,378 | 2,660 | 1,493 | 175 | 11,706 |
| Comparison Group | 3,992 | 4,214 | 2,993 | 473 | 11,672 |

1. Comparison institution salaries for $\mathbf{1 9 8 5 - 8 v i}$ are estımates based on partıal data.
2. Gross Percentage Amount.

Source: Letter to William L. Storey from Thierry Koenig, Office of the Chancellor, The Califorma State University, November 15, 1985.
indicate a parity deficiency in 1986-87 of 688 perそent.

One remaining question concerns the relative acc'uracy of this figure. The answer is that it is probably not at variance by more than $\pm 0.2$ percent. In other wordis, the true parity figure -- comparable to any figure previously submitted in the ${ }^{-}$. चission's final report in the spring -- probably lies oetween 6.7 and 7.1 percent. That statement is based on an analysis of the divergences between the data contained in previous preliminary and final reports and the fact that the available partial data from the seven comparison institutions come close to identifying the final figures.

Display 7 shows the discrepancies between preliminary and final reports since 1976-77. It shows a mean difference of only $\pm 128$ percent, the maximum difference that should be expected. Given the fact that "hard" data exist for 13 institutions, however, it must then be determined what percentage of the total faculty in all 20 comparison institutions are represented by those 13 . For the current year, they represent 52.9 percent, leaving partial data for the remaining 47.1 percent. Multiplying $\pm 1.28$ by $5 \pm .9$ percent produces an expected deviation of $\pm 0.68$ percent. However, the fact that some data do exist for the seven "partial" institutions cannot be disregarded.

Staff of the Office of the Chancellor performed a simulation that showed the differences between the COLA adjustments and the actual figures, and this produced a discrepancy of 7 percent In other words, if a COLA of 8 percent was reported for a particular institution, the actual data came within a range of 7.44 percent to 8.56 percent or 94 percent accuracy. Such accuracy warrants a further reduction in the predicted range of $\pm 0.68$ percent, probably to a negligible deviation from the 6.876 percent parity figure shown in Display 6. For the purposes of this report, however, Commission staff believes the range should be $\pm 0.2$ percent, between 6.7 and 7.1 percent for 1986-87.

One final comment on the State University's data collection problems should be added. Given the fact that this is the first year that the new methodology has been put into practice, Commission staff inquired as to whether improvements could be expected in future years. Staff of the Office of the Chancellor responded that improvement was unlikely since many of the comparison institutions do not complete their payroll calculations until after November 15 -- the
date the State University is required by the methodology to submit its report to the Commission.

At the November 26 meeting, however, University of California representatives indicated that they encountered a similar situation, yet through extensive persuasion, requests for special efforts, and promises of data exchanges in the future, they were able to achieve an unusual degree of cooperation from their comparison institutions. In light of that success, it may be possible for the State University to obtain more accurate and timely data in the future, provided that a special effort is made. It is not reasonable to expect the State University to match the University's success in the current year, especially since the State University is in the process of establishing new relationships with its comparison institutions, whereas the University has maintained them for decades. However, it does seem reasonable tc expect better performance in future years.

DISPLAY 7 Differences in Parity Figures for the California State University Between the Commission's Prel:minary and Final Salary Reports, 1976-77 to 1984-85

|  | Fstimated Percentage <br> Increase Required <br> to Attain Parity |  |  |
| :---: | :---: | :---: | :---: |
| Year Preliminary <br> Report Final <br> Report | Difference |  |  |
| $1976-77^{*}$ | $2.55 \%$ | $4.57 \%$ | $202 \%$ |
| $1977-78$ | 5.29 | 4.15 | -1.14 |
| $1978-79$ | 3.80 | 3.27 | -0.53 |
| $1979-80$ | 8.82 | 10.10 | 1.28 |
| $1980-81$ | 0.77 | 0.84 | 0.07 |
| $1981-82$ | -2.59 | -0.50 | 2.09 |
| $1982-83$ | 0.47 | 2.29 | 1.82 |
| $1983-84$ | 9.03 | 9.18 | 0.15 |
| $1984-85$ | 10.00 | 7.60 | -2.40 |

1985-86 Conversion year: Data not pu'jlished. Differences:

| Mean | -- | -- | 0.37 |
| :--- | :--- | :--- | ---: |
| Range | -- | -- | $\pm 128$ |

[^2]Source: California Postsecondary Education Commıssion staff ana'yses.

## Projected Cost of Fringe Benefits

 at the University of California, the California State University, and Their Comparison Institutions, 1985-86 and 1986-87
## University of California

Displays 8 and 9 below show the computations that produce the all-ranks average fringe benefit costs at the University of California. These data indicate
that the University spends between $\$ 8,721$ and $\$ 12,801$ per faculty member per year, depending on rank, for a fringe benefit package which includes retirement and a comprebensive array of insurance

DISPLAY 8 University of California Actual and Projected Comparison Institution Fringe Benefit Costs (Equal Weight to Each Comparison Institution).

|  | Unweighted <br> Average Fringe <br> Benefit Costs |  | Compound Rate of <br> Increase | Comparison Group <br> Projected Fringe <br> Benefit Costs |
| :--- | :---: | :---: | :---: | :---: |
|  | $\mathbf{1 9 8 0 - 8 1}$ | $\mathbf{1 9 8 5 - 8 6}$ |  |  |
| Professor | $\$ 7,000$ | $\$ 11,528$ | $10.492 \%$ | $\$ 12,738$ |
| Associate Frofessor | $\$ 4,961$ | $\$ 8,713$ | $11.923 \%$ | $\$ 9,752$ |
| Assistant Professor | $\$ 4,037$ | $\$ 7,404$ | $12.897 \%$ | $\$ 8,359$ |

Source: Letter to Patrick M. Callan from Calvin C. Moore, Assistant Vice President - Academic Personnel and Planning, Universty of Calffornia, November 11. 1985.

DISPLAY 9 Percentage Increase in University of Californta 1985-86 All-Ranks Average Fringe Benefit Costs Required to Equal the Comparison Group Projections for 1986-87

| Academic Rank | University ofCalifornia AverageFringe Benefit Costs 1985-88 | Comparison Group Fringe Benefit Costs |  | Percentage Increase Required in University of California Fringe Benents Contribution |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1985-88 | 1986-87 | (Actual) | $\stackrel{\text { 1986-87 }}{\text { (Projected) }}$ |
| Professor | \$12,801 | \$11,528 | \$12,738 | -9.945\% | -0.496\% |
| Associate Professor | \$9,504 | \$8, ${ }^{-13}$ | \$9,752 | -8.323\% | 2.608\% |
| Assistant Professor | \$8,721 | \$7,404 | \$8,359 | -15.101\% | -4.152\% |
| All Ranks | \$11,565 | \$10,382 | \$11,522 | -10.229\% | -0.372\% |
|  |  | Professor | Associate Professor | Assistant <br> Professor | Total |
| University of California Projected |  |  |  |  |  |

Source: Letter to Patrick M. Callan from Calvin C. Moore, Assistant Vice President - Academic Personnel and Planning, University of Calufornia, Nrvember 11, 1985.
coverages for life, medical and dental care, non-industrial disability, workers' compensation, and unemployment.

The largest component of the fringe benefit program is retirement, representing 63 percent of all the funds expendeci by the University for the purpose. This fact has made the analysis of fringe benefit programs difficult in the past because the benefits received by faculty often bear unly an indirect relationship to the program costs. In addition, a satisfactory method of making viable comparisons between California and other states has never been found due to the fact that there are many different kinds of retirement programs and different assumptions underlying each of them. The Legislative Analyst has found this particularly frustrating and has made several attempts to obtain better information. The most recent attempt led to the Supplemental Language and segmental responses discussed below.

## The California State University

California State University staff has advised the Commission that the State University was unable to collect cost data on fringe benefits this year, and thus it did not make its regular submission for this report. The State University staff indicates that comprehensive information from its comparison institutions will not become available for several months.

## Segmental reports on fringe benefits

During the 1984-85 legislative session, Supplemental Language was added to the Budget Act which directed as follows
4. Retirement System Data. The University of California (UC) and the California State University (CSU) are directed to request from their faculty comparison group universities the following data on retirement benefits in addition to data currently collected:

- Of the average amount identified for fringe benefits, the average dollar amount related to contribution for retirement.
- The average contribution needed to fund the "normal costs" of the retirement system.
- The average employee contribution to the retirement system.

The California Postsecondary Education Commission (CPEC) is directed to include in its Annual Report on Faculty and Administrators' Salaries a table that compares the normal ccsts less the employee contribution of the UC and CSU retirement systems and the same data for their respective comparison university groups. The CPEC report shall also include data on the percentage of reported fringe benefits that are related to retirement for UC, CSU, and their respective comparison groups.
It is further the intent of the Legislature that CC and CSU attempt to collect and provide information on actual benefits in addition to reported cost data for their comparison institutions.

## University of California

In order to satisfy this directive, the University $\mathrm{c}^{+}$ California retained the actuarial consulting firm of Towers, Perrin, Forster \& Crosby to collect and analyze data on both the University's and its comparison institutions retirement programs. The State University endeavored to collect and analyze the appropriate information internally. The University reported its data (Appendix E) to the Commission on August 23, 1985; the State University on August 22, 1985 (Appendix F).
According to the University's actuarial consultants, the definition of "normal cost" is as follows:

The normal cost is the actual cost of a plan allocated to the 1984-85 year under the entry ag, actuarial cost method. Each university's normal cost is the total cost minus the members'. contributions.
Under this definition, the consultants compiled the data shown in Display 10 on the opposite page.
This defir:ition of normal costs is somewhat simplistic, however, in that it uses a term -- "actual cost" -that cannot be calculatea without some difficulty The "actual cost" of a retirement plan may or may not bear a close relation to the amount of money invested in that plan by its members or their employers, and it is derived only through the application of a number of critical assumptions. In their report, the consultants listed 15 assumptions that produced the figures in Display 10:

1. Investment return on member contributions.

DISPLAY 10 Retirement System Normal Costs at the University of California and its Comparison Institutions as a Percentage of Covered Compensation.

| Institution | Tetal Contribution (Normal Cost) | Member Contribution | Institucional Contribution |
| :---: | :---: | :---: | :---: |
| University of California | 14.3\% ${ }^{1}$ | 3.5\% | 10.8\% ${ }^{1}$ |
| Institution $A$ | 10.0 | 0.0 | 10.0 |
| Institution B | 11.0 | 0.0 | 11.0 |
| Institution C | 23.31 | 8.0 | 15.31 |
| Institution D | 15.0 | 5.0 | 10.0 |
| Institution E | 15.0 | 5.0 | 10.0 |
| Institution F | 13.9 | . 6 | 13.3 |
| Institution G | 8.51 | 0.02 | 8.21 |
| Institution H | 14.3 | 3.9 | 10.4 |
| Eight Institution Average (Equal Weight to Each Instutution) | 13.8\% | 2.81\% | 11.03\% |
| 1. Includes admin:strative expens <br> 2. Institution $\mathcal{G}$ designates part of terminaiion or upon death. | 3 percent. <br> tribution ( 5.0 percen | s member cont:ibut | be paid to the member at |

Source: Appendix E.
2. Salary increases.
3. Social security benefits.
4. Mertaiity rates.
5. Member termination date.
6. Retirement incidence (retirements per 1,000 active members by age).
7. Disablement.
8. Mortality for disabled members.
9. Remarriage.
10. Proportion of active members who are married.
11. Number of dependents of married members.
12. Entry age for funding.
13. Administrative expenses.
14. Future service for part-time employees who are members.
15. Probability of electing a refund on termination of employment.

In addition, they applied the 15 to the comparison institutions as if they had the identical demograph-
ics, costing methods, and actuarial assumptions applicable to the University of California Retirement System (UCRS) and the University faculty. It is an approa.h similar to that traditionally used by the Commission for making salary and fringe benefit cost comparisons, since those are based on applying the University's staffing pattern to the average salaries paid within the comparison group. Analytically, there is no other way to compare the value of various retirement programs since, without a commonality of demegre.phics and assumptions, the variables applicable to individual institutions would distort the results.

All of these assumptions require the application of probability tables, all of which are presented in Appendix $G$ beginning on page 73. Even then, however, it is difficult to determine the superiority or inferiority of one system over another, since five of the eight comparison institutions use the Teachers Insurance and Annuity Association program, two have 21
state-financed programs similar to California's, and one offers an option of using either one c. both. This problem is discussed further below in the Commission's comments on the State University.
Concerning that portion of the Supplemental canguage which requires the inclusion of data "on the percentage of reported fringe benefits that are related to retirement for UC, CSU, and their respective comparison groups," the University did not provide those data for its comparison institutions. For the current year, the applicable percentage for the University is 63 percent.

## The Californua State IVnlversity

In its report (Appendix E), the State University emphasized the fact that there are two basic types of retirement programs -- "defined contribution plans" and "defined benefit plans." The former is typified by TIAA-CREF, where both the member's and the institution's contributions are precisely determined but where the benefits depend largely on the capital growth accruing to the plar over the course of the member's employment. In defined benefit plans, however, the amount received upon retirement is ordinarily defined as a percentage of final salary times the number of years of service.
The two types of plans also differ in that institutional contributions to TIAA-CREF and similar plans are highly portable, while most defined benefit plans financed by sovernmental entities are not. In government plans such as the Public Employees Retirement System (PERS), employer contributions are never receivable in a lump sum or transferable to another retircment program by the employee. Benefits can only be received following bnth vesting and retirement. In general, the portability feature normally included with defined contribution plans is considered to be highly desirable.

The State University surveyed 16 of its 20 comparisor. institutions approved by the Commission last March. Of the 16, seven had defined contribution plans, five had defined benefit plans, and four offered faculty the option of selecting one or the other. Unlike the University of California, howeve:; the State University did not apply the demographics of its system to the retirement systems in place in the comparison institutions.

In its report, the State University notes that normal costs for defined contribution plans are identical to the employer's and employee's contribution to it. For defined benefit plans, however, the normal cost
can be determired only by the application of a number of assumptions similar or identical to those listed above. To obtain normal costs for the defined benefit plans, the State University consulted with PERS and with retirement experts in the applicable states to produce the data shown in Display 11 on the opposite p. ge.
in determining normal costs for the defined benefit plans, the most important assumptions used by PERS are those governing interest rate growth in the contributions and the annual percentage increase in ?mployet salaries. At present, PERS assumes 8.5 percent for the former and 8.0 percent for the latter. By contrast, the averages for the five defined benefit plan institutions are 7.3 and 5.45 percent, respectively - percentages that iower considerably the normal costs of the comparison institution plans. As noted earlier, such percentages do not apply to defined contribution plans, since normal costs are identical to actual contributions.
Concerning that part of the Supplemental Language which called for the segmenis to indicate the percentage that retirement programs comprise of the total fringe-benefit package, the State University provided data for the 11 institutions with defined contrir tion programs but none for those with defined benefits. The absence of the latter stems from the fact that contributions do not relate closely to normal costs. For the 11, computations were made for life insurance, disability insurance, and Social Security (OASDI). Health insurance was not ircluded for the following reason (p. 3):

In consultation with staff of the Postsecondary Education Commission, the report omits comparison of health related benefits. The CSU offers some 25 different health benefit plans and the comparison institutions also offer numerous plans Data ob+ained in prior surveys indicate that CSU expenditures for health benefits are significantly above those other institutions arross the country. It appears, however, that this cost difference reflects the higher cost of medical and hospital services in California than in the rest of the nation.
Also excluded were provisions for workmen's compensation and unemployment insurance, since "for the most part, full-time faculty are only remotely affected by these programs."

In spite of those restrictions, the State University did show the relationship between retirement and other fringe benefits on May 8 when it submitted its

DISPLAY 11 Normal Cost as a Percentage of Covered Compensation at the California State University and Sixteen of its Comnarison Institutions, 1984-85.

| Institution | Total Contribution (Normal Cost) | $\begin{gathered} \text { Memier } \\ \text { Contributijn } \end{gathered}$ | Employer Normal Cost Cost | Charge to Institution |
| :---: | :---: | :---: | :---: | :---: |
| California State University ${ }^{1}$ | 15.3\% | 5.0\% | 10.3\% | 17.6\% |
| Institution ${ }^{1}$ | 12.1 | 6.0 | 6.1 | 13.2 |
| Institution $\mathrm{B}^{1}$ | 8.3 | 4.5 | 3.8 | 9.0 |
| Institution $\mathrm{Cl}^{1}$ | 14.2 | 8.75 | 5.5 | 14.0 |
| Institution $\mathrm{D}^{1}$ | 8.2 | 5.0 | 3.2 | 11.8 |
| Institution $\mathrm{El}^{1}$ | 10.4 | 0.0 | 10.4 | 11.3 |
| Institution $\mathrm{F}^{2}$ | 14.0 | 7.0 | 7.0 | 7.0 |
| Institution $\mathrm{G}^{2}$ | 12.5 | 50 | 7.5 | 7.5 |
| Institution $\mathrm{H}^{2}$ | 15.53 | 5.53 | 10.03 | 1003 |
| Institution $\mathrm{I}^{2}$ | 12.04 | 6.04 | 6.04 | 6.04 |
| Institution ${ }^{\text {2 }}$ | 16.0 | 8.0 | 8.0 | 8.0 |
| Institution K2 | 12.0 | 6.0 | 6.0 | 6.0 |
| Institution L2 | 13.0 | 5.0 | 8.0 | 8.0 |
| Institution M ${ }^{2}$ | 13.55 | 1.55 | 12.05 | 12.85 |
| Institution ${ }^{\text {2 }}$ | 15.35 | 6.85 | 8.5 | 8.5 |
| Institution $\mathrm{O}^{\mathbf{2}}$ | 14.5 | 5.0 | 9.5 | 9.5 |
| Institution P2 | 15.0 | 5.0 | 10.0 | 10.0 |
| Averages: |  |  |  |  |
| Defined Benefit Drograms | 10.6\% | 4.85\% | 5.8\% | 11.9\% |
| Defined Contribution Programs | 13.9\% | 5.52\% | 8.4\% | 8.4\% |
| 1. Defined Benefit Plans. |  |  |  |  |
| 2. Defined Contribution Plans. |  |  |  |  |
| 3. Average of a range of options available to the employee. |  |  |  |  |
| 4. Range is between 10 percent and 14 percent. Contributions on salary below OASDI maximum are at 5 percent for both employee and the institution; those above are at 7 percent for both. |  |  |  |  |
| 5. Faculty hired since 1976 contribute at a 3 percent rate with University contributions at 9 percent on salary to $\$ 16,900$ then 12 percent. Faculty hired before 1976 have no mandatory contributions; University contributes 12 percent on salary to $\$ 16,900$ then 15 percent thereafter. |  |  |  |  |

Source: Appendix F.
final salary and benefit report for 1985-86. Those data are shown below in Display 12 on page $1 \delta$.
The State University listed eight "findings" in its report, the most important of which are as follows:

1. The State University's retirement program (PERS) is competitive with other retirement programs for faculty who retire in State University employment but not competitive for younger faculty in
comparison to institutions with defined contribution plans similar to tiAA-CREF.
2. Comparisons of annual costs between CSU and comparison institutions with defined benefit plans are difficult to make since annual costs bear little relation to normal costs (see Display 11 on the previous page for Insticutions A through E).
3. Average contributions to retirement programs by
faculty members in CSC and its comparison institutions are comparable ( 5.0 percent in CSU; 5.29
percent in the 16 comparison institutions surveyed).

## DISPLAY 12 Cost of Fringe Benefits Provided Full-Time Faculty at the California State Unwerstty and Sixteen Comparison Institutions as a Percentage of Salary Expenditures, 1984-85.

|  | California State University |  | Sixteen Comparison Institutions |  |
| :--- | :---: | :---: | :---: | :---: |
| Type of Benefit | Percent of Salary <br> Expenditures | Percent of <br> Total | Percent of Salary <br> Expenditares | Percent of <br> Total |
| Ratir, ment | $1760 \%$ | $60.38 \%$ | $10.08 \%$ | $46.05 \%$ |
| Social S'curity | 5.82 | 19.97 | 5.88 | 26.86 |
| Medical/Dental Insurance | 5.26 | 18.04 | 3.79 | 17.31 |
| Workers' Compensation | 0.29 | 0.99 | 0.27 | 1.23 |
| Unemployment Insurance | 0.17 | 0.58 | 0.21 | 0.96 |
| Tuition Waivers | 0.00 | 000 | 0.79 | 3.61 |
| Life Insurance | 0.00 | 0.00 | 0.64 | 2.92 |
| Disability Insurance | 0.00 | 0.00 | 0.23 | 1.05 |
| Total Reported Fringe <br> Benefit Expenditures | $2915 \%$ | $9996 \% 1$ | $21.89 \%$ | $10000 \%$ |

1. Does not equal 100 percent due to rounding.

Source: Appendıx F

## Medical School Salaries

ITEM 322 of the 1978 Legislature's Conference Committee Supplemental Report on the Budget Bill states:

Th: University of California shall report to the California Postsecondary Education Commission annually on (1) its full-time clinical faculty salaries and those of its comparison institutions (including a description of the type of compensation plans utilized by each UC school and each comparison institution), and (2) the number of compensation plan exceptions in effect at each UC school.

Since the Commission's final report for the 1979-80 budget year, the University has provided the requested data for the then current year. During deli-
berations over the revised faculty salary methodology which the Commission approved last March, however, the University requested a change to biennial rather than annual reports. In consultation with the Department of Finance and the Office of the Legislative Analyst, this suggestion was accepted, the University agreeing to supply data for the 1984-85 budget year and every two years thereafter.

For the 1985-86 cycle, the Commission published only one report, and it was not possible to include the medical faculty data within it. Accordingly, the data that ordinarily would have been presented then are presented here in Displays 13 and 14. Data for the 1986-87 year will be contained within the Commission's next annual report.

DISPLAY 13 1984-85 University of California Medical School Faculty Salary Survey: Pediatrics

|  | Professor |  | Associate Professor |  | Assistant Professor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Institution | Salary | Rank | Salary | Rank | Salary | Rank |
| B | $\$ 112,600$ | 1 | $\$ 82,10 C$ | $\mathbf{1}$ | $\$ 56,200$ | 3 |
| F | 98,216 | 2 | 78,205 | 2 | 65,186 | $\mathbf{1}$ |
| University of California | $\mathbf{9 3 , 8 6 3}$ | $\mathbf{3}$ | 70,285 | $\mathbf{3}$ | $\mathbf{5 5 , 2 7 3}$ | $\mathbf{5}$ |
| G | 92,143 | 4 | 64,040 | 8 | 54,144 | 6 |
| A | 91,239 | 5 | 67,418 | 5 | 58,248 | 2 |
| D | 90,587 | 6 | 69,615 | 4 | 55,759 | 4 |
| E | 85,444 | 7 | 66,053 | 6 | 43,688 | 9 |
| H | 79,377 | 8 | 60,968 | 9 | 47,167 | 8 |
| C | 74,500 | 9 | 64,182 | 7 | 52,600 | 7 |
| Average | $\$ 90,885$ |  | $\$ 69,207$ |  | $\$ 54,252$ |  |
| Standard Deviation | $\$ 10,991$ |  | $\$ 6,906$ |  | $\$ 6,196$ |  |

Source: Letter to Patrick M. Callan from Loon Mayhew, Acting Asoistant Vice President • Academic Personnel and Planning, University of Calıorma, Apnl 4, 1985.

DISPLAY 14 1984-85 University of California Medical School Faculty Salary Survey: Surgery und General Medicine

| Institution | Professor |  | Associate Professor |  | Assistant Professor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Salary | Rank | Sa:wry | Rank | Salary | Rank |
| Surgery |  |  |  |  |  |  |
| G | \$182,244 | 1 | \$141,478 | 1 | \$91,833 | 4 |
| D | 166,315 | 2 | 111,064 | 5 | 87,340 | 7 |
| University of California | 155,907 | 3 | 108,202 | 6 | 86,715 | 6 |
| A | 148,101 | 4 | 98,158 | 9 | 69,042 | 9 |
| F | 145,793 | 5 | 120,478 | 3 | 95,687 | 3 |
| C | 139,428 | 6 | 133,063 | 2 | 99,383 | 1 |
| B | 136,500 | 7 | 111,200 | 4 | 97,000 | 2 |
| H | 135,625 | 8 | 108,125 | 7 | 90,030 | 5 |
| E | 122,832 | 9 | 106,229 | 8 | 71,479 | 8 |
| Average | \$148,083 |  | \$:10,333 |  | \$87,501 |  |
| Standard Deviation | \$17,916 |  | \$13,876 |  | \$10,741 |  |

General Medicine

| D | $\$ 112,951$ | 1 | $\$ 98,892$ | 1 | $\$ 83,243$ | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B | 106,700 | 2 | 73,100 | 6 | 50,150 | 8 |
| F | 105,011 | 3 | 84,235 | 2 | 59,350 | 6 |
| University of California | 102,887 | 4 | 76,637 | 4 | 61,887 | 3 |
| S | 102,707 | 5 | 79,336 | 3 | 62,729 | 2 |
| A | 97,726 | 6 | 72,300 | 7 | 60,008 | 5 |
| E | 88,657 | 7 | 68,905 | 8 | 49,381 | 9 |
| H | 86,313 | 8 | 73,238 | 5 | 61,083 | 4 |
| C | 80,321 | 9 | 65,000 | 9 | 57,647 | 7 |
| Average | $\$ 98,141$ |  | $\$ 76,849$ |  | $\$ 61,164$ |  |
| Standard <br> Deviation | $\$ 10,786$ |  | $\$ 9,987$ |  | $\$ 9,236$ |  |

Source: Letter to Patrick M. Callan from Leon Mayhew, Acting Assistant Vice President - Academic Personnel and Planning, University of California, April 4, 1985.

THIS report has analyzed faculty salaries and fringe benefits at the University of California and the California State University, discussed economic conditions, and presented University of California medical faculty salary comparisons from 1984-85.
Regarding salaries, its principal discussion concerned the difficuities enrountered by the California State University in obtaining actual, current-year salary data from the new list of comparison institutions approved by the Commission last March. Although all parties to this agreement, including the State University, intended that final data would be acquired from all 20 State University comparison institutions by November 15 each year, such data were made available to the Commission for only five by that date. According to State University officials, problems encountered ranged from refusals $t$ cooperate by four institutions, protracted coliective bargaining negotiations in two others, and delays in performing the necessary payroll computer runs and late deliveries at the remaining nine. In a letter dated December 3, 1985, the State University submitted an update that contained actual aa, for 13 institutions, partial data for three others, and estimates for the remaining four. Officials of the State University have advised the Commission that complete data for all 20 comparison institutions will probably not be available until February at the earliest, and that the problem of delays in obtaining comparison institution data is unlikely to be resolved in future years.

With regard to the University of California, final data were submitted for seven of the University's eight comparators, the only exception being one that: could not submit data due to the absence of a collective bargaining agreement. In spite of this problem, University officials spoke at length to officials of that institution and received sufficient data to derive a reasonable estimate for that system, and Cornmission staff has determined that any conceivable deviation in that estimate will have only a minor effect on the University's projected parity percentage of 14 percent for 1986-87.

Concerning fringe benefits, the University submit-
ted its usual report on employer costs, again providing an estimate for the one still without a collective
rgaining agreement. The State University was unabie to submit fringe benefit cost data for any of its comparison institutions. In addition, each segment submitted a report on fringe benefit "nermal costs" in response to Supplemental Language contained in the 1984-85 Budget Act. Those reports were discussed in Chapter Four.
Based on the data submitted by the two universities and the ans.lyses contained in this report, the Commission offers the following conclusions with regard to faculty salaries and fringe benefits for 1986-87:

## Salaries

1. Based on the comparison institution data submitted by the University of California, the parity figure of 1.4 percent shown in Display 2 of Chapter Three is as accurate as any provided previsusly in the Commission's final annual report. The absence of final data from the one university is not expected to have any significant impact on the overall percentage increase needed to attain parity.
2. By the November $\mathbf{1 5}$ deadline, the State University submitted complete data from only five of its comparison institutions, estimates from 13 others, and no data from the final two. As of December 13, it had compiled actual current-year data for 13 institutions and partial data for the remaining seven. These data indicate a parity deficiency in 1986-87 of 6.88 percent, which is probably not at variance by more than $\leq 0.2$ percent. The true parity figure -- comparable to any in the Commission's previous final reports published in the spring -- probably lies between 6.7 $\cdots$. 7.1 percent.
3. During 1985, two changes were made in the State University's methodology that greatly increased the difficulty of collecting accurate salary information: (1) the date of the final salary report was moved back to December from May of each year; and (2) roughly two-thirds of the insti-
tutions on the State University's list of comparison institutions were replaced with new ones. In light of these challenges to implement the new procedures, the State University failed to invest adequate time and energy to secure the necessary degree of cooperation from its comparison group, and did not adequately inform Commission staff of its difficulties priop to the November 15 deadline.

## Fringe benefits

4. The report submitted by the Un., ersity of California is comprehensive in its attempt to establish true "normal costs" for both its own and its comparison institution's retirement systems. In comparing the total of employer and employee costs, it appears that the University's system (UCRS) is slightly more expensive than the average of those in its comparison institutions, but less expensive to the University and, therefore, to the State. The reason for this is that the contributions made by University of California faculty members are slightly higher than those made by faculty in the comparison group. Overall, however, the normal costs are very similar.
5. It is not possible to compare percentages of costs devoted to retirement in the University's comparison institutions since the University did not provide those data. At the University, the current percentage retirement coste cepresent of total fringe benefit costs is about 63 percent.
6. The data provided by the California State University made a clear distinction between "defined contribution" retirement systems and "de fined benefit" systems. Considered as a group, it appears that California's system is slightly less expensive for taculty and somewhat more expensive for the State University (and the State) than systems in place at the comparison institutions. This conclusion, however, must be modified by the fact that the State University did not apply its demographics or the Public Employzas Retirement System assumptions to the progran. 3 in place at the other institutions. Given the more modest assumptions used $b_{v}$ the com-
parisori institutions relative to interest rates and salary increases, it seems probable that the differences between the two would have narrowed.
7. Comparisons between the State University and its comparison institutions are further complicated by the fact that a true faculty-to-faculty comparison cannot be made so long as the peIs - ystem as a whole is the basis for that comparison. State University faculty are only one employee group within PERS, and it cannot be determined from the State University's report whether a true comparison affecting only faculty would raise or lower employee contributions or employer normal costs.
8. At both the University and the State University in 1984-85, actual employer contributions exceeded employer normal costs by a considerable margin. At the University of California, employer normal costs were 10.8 percent of salary per employee with an employer contribution of 14.6 perce .. At the Califorma State University, the figures were 10.3 and 17.6 percent, respectively.
9. At beth the University and the State University, the determination of actual benefits received depends heavily on the individual, since both UCRS and PERS offer comparatively advantageous retirement incomes after many years of service but do not offer portability for employer contributions. This means that faculty who remain for less than five years (the minimum term for benefits to vest) receive no employer benefits at all, those who remein only a few mo-e than five years very little, and those who remain for a career a substc 'ial amount. At institutions with defined contrioution plans like tiAA.CREF, benefits are almost directly proportional to years served. This difference makes a consistent comparison of benefits received almost impossible.
10. Given the difficulties inherent in retirement system comparisons, it would appear that recommendations for changes in California's programs would be justified only if it could be demonstratad that there were radical differences in cost and benefit levels. At the present time, such, differences are not evident.

## Appendix A

Senate Concurrent Resolution No. 51, 1965 General Session, Relative to Academic Salaries and Welfare Benefits

WHEREAS, The Joint Legislative Budget Committee pursuant to House Resolution No. 250, 1964 First Extraordinary Session, has had prepared and has adopted a report of the Legislative Analyst containing findings and recommendations as to salaries and the general economic welfare, including fringe benefits, of faculty members of the California institutions of kigher education; and

WHEREAS, The study of the Joint Legislative Budget Committee found that the reporting of salaries and fringe benefits as it has been made previously to the Legislature has been fragmentary and has lacked necessary consistency, with the result that the Legislature's consideration of the salary requests of the institutions of higher learning has been made unnecessarily difficult; and

WHEREAS, The report recommends that the Legislature and the Governor should receive each December 1 a report from the Coordinating Council for Higher Education, plus such supplementary information as the University of California and the California State Colleges desire to furnish independently, containing comprehensive and consistently reported information as outlined specifically in .. report adopted by the Joint Legislative Budget Committee; and

WHEREAS, The reporting recommended by the committee would include essential data on the size and composition of the faculty, the establishment of comprehf jive bases for comparing and evaluating faculty salaries, the nature and cosr existing and desired fringe benefits, the nature and extent of total compensaticn to the faculty, special privileges and benefits, and a description and measurement of supplementary income, all of which affect the welfare of the faculties and involve implications to the state now, therefore, be it

Resolved by the Senate of the State of California, the Assembly thereof concurring, That the Coordinating Council for Higher Education in cooperation with the University of California and the California State Colleges shall submit annually to the Governor and the Legislature not later than December 1 a faculty salary and welfare benefits report containing the basic information recommended in the report of the Joint Legislative Budget Committee as filed with the President of the Senate and the Speaker of the Assembly, under date of March 22, 1.965.

## Appendix $B$

NOTE: The following material is reproduced from Chapter Two, "The Revised Methodology," of Methods for Calculating Salary and Fringe Benefit Cost Comparisons, 1985-86 to 1994-95: A Revision of the Commission's 1977 Methodology for Preparing Its Annual Reports and Faculty and Administrative Salaries and Fringe Benefit Costs. Commission Rep nt 85-11. Sacramento: California Postsecondary Education Commission, March 1985, pp. 7-16.

The following procedures will be employed by the California Postsecondary Education Commission to develop its annual report on faculty salaries and fringe benefit costs in California public higher education for the ten-year period of 1985-86 to 1994-95, unless noted otherwise.

## 1. Number and timing of reports

One report will be prepared by the Commission each year. That report will contain current- ear data from both the University of California's and the California State University's comparison institutions, such data to be submitted by the segments to the Commission, the Department of Finance, and the Legislative Analyst not later than November 15 each year. The Commission's report will be submitted to the Department of Finance and the Joint Legislative Budget Committee not later than January 1.

## 2. Principle of parity

The report will indicate needed percentage increases (or decreases) for the forthcoming fiscal year in salaries and fringe benefit costs for University of California and California State University faculty to achieve and maintain perity with comparison institution faculty at the ranks of professor, associate professor, assistant professor, and (at the State University only) instructor. Parity is defined as the mean of all salaries paid by the comparison institutions as a whole at each rank. A separate list of comparison institutions will be used by each of the four-
year California segments of higher education. The report will separate calculations and displays of data related to percentage increases required for salary parity from those related to fringe benefit cost parity.

## 3. Comparison institutions

## University of California

Comparison institutions for the University of California, with independent institutions asterisked, will be the following:
Cornell University*
Harvard University*
Stanford University*
State University of New York at Buffalo
University of Illinois Urbana Campus
University of Michigan - Ann Arbor
University of Wisconsin - Madison
Yale University*
The University's list of comparison institutions remains an open item before the Technical Advisory Committee during 1985 and may be recommended fcr change for 1986-87 and subsequent budget years.

## California State University

Comparison institutions for the California State University, with independent institutions asterisked, will be the following for the years 1985-86 throus'1 1994-95.

## Northeast

University of Bridgepart*
Boston University*
Rutgers the State University of New Jersey (Newark Campus)
State University of New York at Albany
Bucknell University*
South
University of Miami (Flcrida)*
Georgia State University
North Carolina State University
Virginia Polytechnic Institute and State U'niversity

North Central
DePaul University*
Wayne State University
Mankato State University
Cleveland State University
University of Wisconsin-Milwaukee

## West

Arizona State University
University of Scuthern California*
University of Colorado at Denver
Lewis and Clark College*
University of Nevada-Reno
University of Texas at Arlington

## 4. Facuity to be included and excluded

## University of California

Faculty to be included in the comparisons are those at the ranks of professor, associate professor, and assistant professor (the University does not use the rank of instructor) employed on nine- and eleven-month (prorated) appointments. vith the exception of faculty in law, the health sciences, summer sessions, extension programs, and laboratory schools, to the extent that these faculty are covered by selary scales or schedules other than those of the regular faculty. Faculty on the special salary schedules for engineering, computer science, and business administration will be included with the regular faculty.
Faculty members to be included are those assigned to instruction (regaraless of their assignments for research and other University purposes), department chairmen (if not on an administrative salary schedule), and faculty on salaried sabbatical leave.
The number of University faculty will be reported on a full-time-equivalent basis.

## The California State Universtty

Faculty to be included in the comparisons are those with full-time appointments at the ran'ss of professor, associate professor, assistant prof ssor, and instructor, employed on nine- and eleven-month (prorated) appointments, department chairmen, and faculty on salaried sabbatical or special leave. Faculty teaching seminar sessions or extension will be excluded.

Funds appropriated for "outstanding professor
awards" will be included ir the State University's average salaries.

The number of State University and comparison institution faculty will be reported on a headcount basis.
5. Computation of comparison institution average salaries and fringe benefit costs
As indicated below, the University and che State University use different methods to compute average salaries in their respective groups of comparison institutions. The Commission will provide a detailed explanation for these differences in its annual report.

## University of California

For the University's comparison group, w.e average salary at each rank will be obtained for each comparison institution. The average salary at each rank for the comparison group as a whole will then be calculated by adding the average salaries at the eight comparison institutions and dividing by eight. The same procedure will ie used to compute the cost of fringe benefits. (The use of equal weights for University of California emparison institutions is an unresolved issue to be discussed by the Technical .Advisory Committee during 1985.)

## The California State University

For the State University's comparison group, the total actual salary dollars paid at each rank for the group as a whole will be divided by the number of faculty within the rank at all 20 ins ${ }^{+i t u t i o n s ~ t o ~ d e-~}$ rive the average salary for each rank. Average costs of fringe benefits will be computed in the same manner.
6. Five-year compound rate of salary and fringe benefit cost growth
In order to compute the estimated salaries and benefit costs to be paid by the comparison institutions in the budget year, a five-year compound rate of change in salaries and the cost of fringe benefits will be computed using actual salary and benefit data for the current year and the fifth preceding year.
Each segment will compute the average salary and
fringe jenefit cost to the employer by rank for their respective comparison groups as specified in Section 5 above. Each will then calculate the annual compound rate of growth at each rank between the current year and the year five years previous to the current year. These rates of change will then be used to project average salaries and costs of fringe benefits for that rank forward one year to the budget year.
(The use of a five-year compound average is one of the unresolved issues to be discussed by the Technical Advisory Committee during 1985. The Legislative Analyst has suggested that a shurter period of between two and four years be used or chal the more recent years be accorded a greater weight than the earlier years. Consequently, the five-year compounded average will apply only to the 1985-86 budget cycle.)

## 7. All ranks average salaries and fringe benefit costs

All-ranks average salaries and fringe benefit costs will be calculated for each segment and for each respective comparison group in both the current and budget years, by using the following procedures.

## University of California

For the University, both its and the comparison institutions' rank averages will be weighted by the University's projected staffing pattern for the budget year. The all-ranks averages produced thereby will be compared and percentage differentials computed for both the current and budget years. The percentage differential between the University's current year all-ranks average and the comparison group's projected budget year all-ranks average will constitute the percentage amount by which University salaries will have to be increased (or decreased) to achieve parity with the comparison group in the budget year. The same procedures will be followed with respect to the cost of fringe benefits.

## The California State University

For the State University, both its and the comparison group's current year staffing patterns will be employed. The rank-by-rank averages will be separately weighted by the respective staffing patterns for both the current and budget years so that two sets of all-ranks averages will be derived. The two
all-ranks averages for the State University in the current year (the first weighted by the State University staffing pattern and the second by the comparison group's staffing pattern) will be added together and divided by two to produce the mean. Similarly, the current- $\rho$ nd budget-year averages for the comparison institutions will be added and divided by two to produce mean all-ranks averages for both the current and budget years. The mean State University current-year all-ranks average will then be compared to the mean current- and budget-year com-parison-institution all-ranks averages to produce both a current- and budget-year parity percentage. The percentage differential between the State University's current-year all-ranks average and the comparison group's projected budget-year all-ranks average will constitute the "Gross Percentage Amount" by which State University salaries will need to be increased or decreased to achieve parity with the comparison group in the budget year.
The "Gross Percentage Amount" will be reduced by two adjustments:

- First, two-tenths of one percent ( 0.2 percent) will be deducted to account for the effect of turnover and promotions in the budget year.
- Second, an additional eight-tenths of one percent ( 0.8 percent) will be deducted to account for the effect of higher paid law-school faculty in ten of the State University's comparison institutions.
(These several adjustments are estimates to be used only for the 1985-86 budget year. During 1985, a survey vill be conducted by the State University to determine the accuracy of these adjustments for future years. Commission staff will review the State University's findings in both of these areas.)....

8. Administrative, medical, and community college salarizs

## Administrative salaries

In its annual faculty salary report, the Commission will include data on the salaries paid to administrators at the University, the State University, and their respective comparison institutions. The State University will use the same group of comparison institutions as for its faculty survey. For 1985-86 only, the University of California will use the same list of comparison institutions and administrative position descriptions as were used for the 1983-84 budget cy-
cle. Both the comparison group and the positions to be surveyed for future years remain unresolved at this time and will be considered by the Advisory Committee during 1985.

## Medical faculty salaries

The Commission will include data on comparative salaries and compensation plans for the University of California and a select group of comparison institutions on a biennial basis commencing with the 1985-86 academic year. Comparison institutions to be surveyed will be Stanford University, the University of Chicago, the University of Illinois, the University of Michigan, the University of North Carolina, the University of Texas at Houston, the University of Wisconsin, and Yale University. Disciplines to be surveved will be internal medicine, pediatrics, and surigerv, which, taken together, will be considered representative of the medical profession as a whole.

## Community college faculty salaries

In its annual report on faculty salaries, the Commission shall include such comments as it considers appropriate to satisfy the recommendation of the Legislative Analyst contained in the Analysis of the Budget Bill, 1979-80. Comments shall be directed to, but need not be limited by, the contents of the Annual Report on Staffing and Salaries of the Community Colleges' Chancellor's Office.

## 9. Supplementary information

Supplententary information remains an unresolved issue. The categories of data to be supplied by the segments and the years to be included in historical series will be discussed by the Technical Advisory Committee in 1985.

## 10. Criteria for the selection of comparison institutions

## University of California

The following four criteria will be used to select comparison institutions for the University:

1. Each institution should be an eminent major university offering a broad spectrum of undergraduate, graduate (Master's and Ph.D.), and
professional instruction, and with a faculty responsible for research as well as teaching.
2. Each institution should be one with which the University is in significant and continuing competition in the recruitment and retention of faculty.
3. Each institution should be one from which it is possible to collect salary and bent fit cost data on a timely, voluntary, and regular baiis. (Not all institutions are willing to provide their salary and benefit cost data, especially in the detail required for comparison purposes.)
4. The comparison group should be composed of both public and private institutions.
In selecting these institutions, stability over time in the composition of the comparison group is important to enable the development of faculty salary market perspective, time-se 3 analysis, and the contacts necessary for gatheri . required data.

## The California State University

The following five criteria will be used to select comparison institutions for the California State University.

1. General Comparability of Institutions: Comparison institutions should reflect the mission, functions, purposes, objectives, and institutional diversity of the California State University system. Faculty expectations at the comparison institutions, in terms of pay, benefits, workload, and professional responsibilities, should be relatively similar to those prevailing at the California State University. To those ends, State University comparison institutions should include those that offer a wide variety of programs at both the undergraduate and graduate levels but that gran: very few if any doctoral degrees. Specifically, the 20 institutions that awarded the largest number of doctoral degrees during the ten-year period between 1973-74 and 1983-84 should be excluded. The list should include both large and small, and urban and rural institutions from each of the four major regions of the country (Northeast, North Central, South, and West). Approximately onefourth to one-third of the institutions on the list should be private or independent colleges and un versities, and none of these institutions should be staffed predominantly with religious faculty.
2. Economic Comparability of Institutional Location: The comparison group, taken as a whole, should reflect a general comparability in living costs and economic welfare to conditions prevailing in California. Consequently, institutions located in very high cost areas, such as New York City, or in severely economically depressed areas, such as portions of the deep South, should not be included on the list. In order to ensure a continuing economic comparability between California and those regions in which comparison institutions are located, the Commission will periodically review such economic indicators as it considers appropriate and include the results of its surveys in its annual report on faculty salaries and fringe benefit costs.
3. Availability of Data: Each institution should be
one from which it is possible to collect salary and benefit cost data on a timely, voluntary, and regular basis. (Not all institutions are willing to provide their salary and benefit cost data, especially in the detail required for comparison purposes.)
4. Fringe Benefits: The comparison instituticns should provide fringe benefits, including a retirement program that vests in the faculty member within five $y^{\prime}$ ars. This criterion will be reviewed further by the Technical Advisory Committee (see Chapter Four).
5. University of California Comparison Institutions: The comparison group developed for the California State University should not include any institution used by the University of California for its comparison group.

## Appendix C

> House Resolution No. 250, 1964 First Extraordinary Session, Relative to the Economic Welfare of the Faculties of the California Public institutions of Higher Education

Whereas, The Master Plan for Public Higher Education strongly recommended that every effort be made to ensure that the institutions of higher education in California maintain or improve their position in the intense competition for the highest quality of faculty members; and

WHEREAS, The Coordinating Council for Higher Education in its annual report to the Governor and the Legislature regarding level of support for the California State Colleges and the University of California recommended that funds should be provided to permit at least an additional 5 percent increase in academic salaries for the California State Colleges and the University of California; and

WHEREAS, The Trustees of the California State Colleges in their annual report to the Lezislature declared that the California State Colleges are falling far behind in the face of this competition and that by 1964-65 faculty salaries will be lagging 14 to 18 percent behind those of comparable institutions; and

WHEREAS, Greatly increasing en rollments in institutions of higher education in California during the next decade will cause a demand for qualified faculty m.embers which cannot possibly be met un'ass such institutions have a recruitment climate which will compare favorably with other colleges, universities, and business institutions, industry, and other levels of government; and

WHEREAS, California has achieved an enviable momentum in business and industrial development, a momentum now threatened by lagging faculty salaries so that failure to maintain adequate salary scales for faculty members in California institutions of higher education would be false economy; and

WHEREAS, There have been widespread reports from the State College and University campuses that higher salaries elsewhere are attracting some of the best faculty members from the California institutions of higher education, and if such academic emigration gains momentum because of inadequate salaries, the effect will disrupt the educational processes and result in slower economic growth, followed by lower tax revenues; and

WHEREAS, The Legislature has a continuing interest in the difficult and pressing problems faced by the California institutions of higher education in
attracting and maintaining outstanding faculty members in a pariod of stiff competition and rapid growth; and

WHEREAS, The Legislature has a continuing interest in the difficult and pressing problems faced by the California institutions of higher education in attracting and maintaining outstanding faculty members in a period of stiff competition and rapid growth; and

WHEREAS, The State's investment in superior teaching talent has been reflected in California's shenomenal economic growth and has shown California taxpayers to be the wisest of public investors, but unless the superiority in faculty quality is maintained, the contributions by the California institutions of higher education to the continued economic and cultural development of California may be seriously threatened; now, therefore, be it

Resolved by Assembly of the State of California, That the Assembly Committee on Rules is directed to request the Joint Legislative Budget Committee to study the subject of salaries and the general economic welfare, including fringe benefits, of faculty members of the California institutions of higher education, and ways and means of improving such salaries and benefits in order that such California institutions of higher education may be able to compete for the talent necessary to provide the highest quality of education, and to request such committee to report its findings and recommendations to the Legislature not later than the fifth legislative day of the 1965 Regular Session.

## Appendix D

# A RECOMMENDED METHOD FOR REPORTING TO THE LEGISLATURE ON FACULTY SALARIES AND OTHER BENEFITS at the university of California and THE CALFORNIA STATE COLLEGES 

(Pursuant to HR 250, 1964 First Extreordinary Session)

Propared by the

Stare of California
January 4, 1965

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## INTRODUETION

The purpose of this stafif report is to recommend a method for reporting to the Legislature on salaries, tringe benefits and other special economic benefits for faculties of the Cniversiry of Californis and the Caiifornia State Colleges. This report hes been prepared by the Joint Legishative Budget Committee in response to Eouse Resolation 250 (1964 First Extraordinary Session, Appendir 1) ${ }^{2}$ which resolved:
"That the Assemioly Committee on Rules is directed to request the Joir a Leqisiarive Budget Committee to study the subject of salarien and the general economic weifare, including tringe bencits, of facults members of the Califormis institutions of higher education, and ways and means of improvion such salaries and beneits in order that such Califormia institutions of higher edveation may be able to compere for the ralent necessary to provide the higheat quality of edacation, and to request such commitree to report itr findings and recommendations to the Legislature not later than the fitth legisistive day of the 1965 Regular Seasion."
Staff of the Joint Lepisiative Budget Committee initiated its study by seetiong information which would refleet the magritude of Califormin's long-range and immediate problems regarding the nesd to reernit and retain an adequate number of high quality taculty. While reviewing past reports presented to the Legislature as justification for salary increase recommendarions by the Coordinating Comeil for Eigher Edu. cation, the University of California and the California State Collegas, it became apparent that the first atep in trying to improve faculty salaries and other benefits is to furdish the Legislature with comprehensive and consistent data which identity the nature and level of competitive beneftr. The costs aspociazed with recommendations, rated aceording to priority, should be included in proposais by the segments in order to aid the Iegislature in determining how much to appropriate and the benefits which an appropriation will bay.

There has ecisted in the past a difference between what the inscitutions have recommended as the need for salary and beneft increases and what has finally been appropriated by the Legislature. There are two principal reasons for this difference which at times may be closely related: (1) The Ieqialatore may disagree with what is proposed as to need, or (2) there may not be enough fonds to meet the need because of biginer priorities in other areas of the oudget.

These needs are very complex and, for erample. incircie such facrors as:

1 Disagreement with conclosions drawn trom dara subcritted in justintication of recoramendations;
2. Lacis of confidence in the quanrity, quality, or trpe oi date;
Appendion doleted
3. The failure of advocates to make points which are concise and cleariy understandebie;

1. The submission of conflicting dara by legisiative stafif or the Department of Finance.
A4ter carein consideration, it was dererminec that a special report should be made to the Budget Committee containing recommendations as to the kind of data the Legisimture shouid be inraished for the purpose of cunsidering salary and other benent increses.

On august 3,1964 a letter ( 1 ppendix 2) Was seni Erom the Legisiative Analyst to the Coordinating Council for Eigher Education the University of Californis, the California State Colleges, the Deparrment of Finance and various facolty organiantions informing them that the Joint Legislative Budget Committee was planning to bold a pablic hearing in connection with ER 250 and asting for raplies to 2 series of questions denigned to gachor beciground information about salary and Eringe benefits date (Appendix 3. Copies of Replies Received). The primary parpose of the hearing was to provide the University of California the California State Colleges and interested groaps the opportunity to indicate the basis on winich salary and tringe benefits should be reported to the Legislature, including the kind of data to be comepiled and who shouid compile and publish it (Appen. dir 4. Copies of Prepared Testimony Filed with the Joint Legislarive Budget Committee at the October 15, 1964 Eleming). The contents ot most of the propared sratemenis discassed problems and in some insrances recommendarions relating to saculty salavies and other benefts rather than the primery purpoue af the nearing, bat the testimony did serre to identity areas of concern. The hearing aiso estabished legislative interest in the sabjects of faculty woriload and souress of sapplementary income.

The review of past faculty salary reporta, the rt plies to the Legislative Aaliyst's letter of dugust 3 , 1964, tie oral and propared statements received at the October 15, 1964 hearing of the Joint Legislarive Budger Committee and other sources bave rerealed siqnificant Andings and permitted the development of recommendarions concerning the type of iniormation and method of presentation that should be included in furure faculty salary reports prepared for the Legislature.

## BACKEROUND

Corrent procedures for seview of iaculty salary and ocker beneft increase proposals starning with tie presentation of recommendations br siate colieges and Eniversity of Cajifornia administracive oficials to their respective goveraing boards. appear generally to de adequate, with minor reserranons. The Stare College Trastees and the Regents of the Caiversity of Caijornia generalls formulata their own proposals in December and forrard them to the State Depart.
mant of Finance :or budget considernzion. Comearrencly the Coordinatng Council tor Eigher Educacion also mabes a repore mith recommendations ricich is made arailabie to the State Department ot Finance. The Goversor and the Deparment oi Finance consider these salary increase proposels in reintion to the arailabilit ot tands and their owa anaipsis of saculty salary meeds and cietide ion mu. 1 oí an increase. iz anp, to include in the fuvernor's Buager. The Legistative thulyst in the Analysis of the Budget Bint prorides analrsis and recommendations as to the Governor's badgee proposal.

When appropriate legislacive commirtees hear the budgec request :or iscuity salary increasea they may be conironted with sererai recommendations trom rarious sources. Their Arst sesponsihility is to consider the Gorernor'3 meommendations in the Budget Bill Eowever, the Caiversing and the Caliiorzin State Colleges gexeraliy request the opportanity to present their own recommendations, which trequently dirler trom the Governor's propoceal Also, the Coordinating Council for Eigher Education presencs its swommendacions. Various taculty organizations may deaire to maten independent proposalh. The Legisiature has bean cooperative in providing all intarented parties the opportunity to present their riews, bur these oresentations have been marised by extreme rariations in secommendations and in the dara which support the requents.

## WHO ShOULD PREPARE PACULTY SALARY REPORTS

There appears to be some diference of opinion concerning the purpose of iaculty salary reporis and recommendations prepared bo the Coorcinating Counuil Sor Eigher Educarion. The Tniversity ot Caiizornin and the Calizornia State Colleges contend that they should maise direct recommendations to the Gorerno: and the Legisiasure and that Coorainating Council secommendarions should be regarded as independent commenss. Conversely, the Department oi Finance and the Coordinaving Coancii Ior Eigher Edreation bolieve that salary erporas and recommandecions or the Coorainating Council should be the primary geport submited to the Department of Finsuce and the Governor to consides in preparing budgot recommendations. The Departicent of Finance states that such a report shouid be regarded as imilar in starms to the annrai saiary report releting to civil service salaries prepared by the State Personnel Board tor the Got. amor and the Legisiatare. It is our opinion that the Iegislature sionoid give specuic and primary consid. erstion to the recommendacions in ihe Governor's Budget and to the annual sacuity salary report oi' the Coordinatiتg Council 'or Eigier Edacazion. Eot. over, any separate secommendations oit the Eniversity ot Calizormis and ite Caijiforma State Colleges siould also be considerse.

## WHAT FACULTY SALARY REPORTS SHOULD CONTAIN

We do not believe that reporting required on the Cuiversity, the Calizornia State Coileges, and the Coordinating Council zor Eigier Education síjuid limit the right of these agencies to $s$ mphasize specize pumes in supporting their own recommendations. However, the Legisiature shou'd talse steps to astablish a consistent basis upon waich it will receive comprekensive iniormation about Saculty salaries other benefita, and related suiojects trom rear to year. 순er careini consideration ot the sratistical and other grounds presented in support of salary and oriker oeneit increase proposals in the past, we recommend that basic dara be included in faculty salary reports to the Legislature in a consistent Eorm in the sollow:

1. Facuity Data
B. Salary Daza
C. Fringe Beneits
D. Total Compensarion
E. Special Privieges anci Bezoits
2. Suppiementary Income

Sirce it is nocesary ior stail of the aseentive and legislative branches oi goverument to analyze recommendations prior to the commencement of a legisiative session, all reports and secommeniations siould be completed by Decemoer 1 of each rear.
A. Feaculy Date

1. Findings
a. Iniormative dara about the size, composizion. retention and recruitment oi Cabizomia Stare College zacuity has been presented to the Legislature Aron time to time, bat usaaily it has been su selective that it lacis objectivity and has been inconsistent twom year to year.
b. Supesior tacuity persormance às $=\sigma$ been demonstrated an a reason so jortivy part res quents for superior salaries.
2. Becommandations

The tollowing data shouid be compiled and presented annosily on a consistenz besis Deinitions of what conatimeses taculty ars 'erit to the discretion of the Tairezrity and the state colleges but should be ciear! $ب$ deined in any reporn teditional deza may be inciuded in any given rear to amphasize special problems, but suci data stauid sapplement nor replace the basic iniormation recommended beiow. Grapias siould be used then practical accompanied by supporting :ables in an appendir Recommended tacult jafa inciades:
2. The numiner of facultr, by rant and the in creace over the previous five jears to seflect ingritutional growh.
b. Current facalty comporition expressed in meaningtal termes, including but not limired to the percentage of the facultr who $i$ re PhD's.
c. Student-fieuity ratios as 2 mears of expresuing performance.
d. Data relating to all new frll-time faculto for the current academic pear incloding the nnmber hirsed, somes of employment, thair rant and hirhent degro held. Fristing racancies should also be noted. Pertinemt historical trende in these date should be amolysed. Wc do not beliove that subjective and incomplete data eatimeting reacoms for turning down offers, such as has boen presented in the past. seaves any usefol purpose.
e. Fectity ranaver rater comparing the number of separations to total faculty secording to the following suggested categories; death or retiremerit to resareh or freduete wort intra-instiational trengefers, other co!"age or University reaching, basimeas anc \& лvernment, other.
3. Comments

The first three recommendarions above are iesigned to reflect faculty size, composition, rate of growth, and workioad. The inciusion of concistent data from jear to pear will faciizate trend analysis as it reletes to the instinutions involved and, when poasible; to comparable inctritutions. The porpore of including data on new faculty and facolis turnever is to provide a quanritarive base for dircumions of problerns releting to faculity reerwitment and retention. It may also be beneficinl to incluce some besic statistics about the available sapple of facuitr to see what proyjortion of the market, $n \wedge \pi \mathrm{PhD}$ 's tor emomple, California instritations hire evert pear.
B. Salery Date

1 Findings
2. The Universiry for eeveral rears has erchanged aakre dara to provide a concistent comparison rith a specinl group of five "eminent" universities. as well as with a gronp of aine public oniversities. Canterselr, the Califoraia State Colleges here not vet eatablished a list of comparable institurions winico is acceptable to them
b. Both the Caiversity of California and the Coordinating Conncil for Eigher Edacestion maintan that salary comparisons to appro-
priate institutions is the bert sincle method of decemining saiar. needs.
c. The Oniversity of California piaces less rignificance on slalart comparisons with nonacademic employment than the Coordinating Council on Eigher Edacation and the Califormis State Colieges.
d. Salary increaces have been proposed on the bacis of differentiais between toral sompensarion (salaries plas tringe benaita) in comparable inatitraions.
e. Both the Tniversity and the Californis State College have tendsd ts relate the sixe of proposed salary increanas to how much of an incrence would be netneare to return to a specife comperitiv" oo , ion wisich existed in 1957-58 and which unasanly advar. ispeove.

1. Salary ormparisons wivc frequenty been made to rarions levels of reaching including eiememarr, hiph sebooh, and junior college saleriss.
g. Methods of selare comparisons rith orher institurions have rasied trom year to vear in reports prepared oy the state colleges.

## 2 Recommendations

2. We secormend that proposed facultr sala.increnses distingrias between: (1) increases necessary to mainzain the current comperitive position and ( $n$ ) inereases to improve the cnrsent competivive position.
(1) Proposed increases to maintain the existins comp ive position should be equivalent $u$ projection of the average salary $r$ ationship betwean the Tniversire, or atate collegas, and comparabie institutions during the corrent fiscal rear to the nerr flecal year. We recommend that this projecion be based on a projection of actual salar: increases br zant in comparable instisurions durisp the past Ave years, permirting statistical adjustments for waral circamotances. Thas the proposed increase to maintain the existing comperizive position Touid. in effect be equal to the average of annual salart increases in comparable instututions during the par five years. 1 record of the accuract of projeczans should be maintained in an appendic.
(2) Recommendations to improre the carrent comperitive positions sinould de zelated to the adidiona! acivariages to be desived.
b It is aleo recommended that the Coliforan State College Trustees select a list of com-
parable institations rithin the aext rear and :hat agreements be aegotiated to eschunge salary data in a iorm wivin will iscilitate comparisons. 1 list oit the uriteris nsed to select cumparable insritutions, plus characiefistics of the instimaions selested. siould be included in nemt rear's report.
c. Specise proposals tor salary increases ibould be accompanied by somparisons of surtent salary amouns and airroric crends to comparable institutions. The sollowing general principles are coassidered to be inportant:
(1) Salart data should be separated isom fringe benefit and-special benoft data for purposea of reporting salary comb parisons.
(2) A consisteg: form should be used from year to pear to present salary data I suggeared zorm might be to illostrate a Gre-rear historic tread in arerage salarien by using a line graph tor each mak an altornative might be a table Which simply shows where California zanked among comparable institutions during the past Ave jears.

The current salary posicion might best be illustrated by shuwing a list of average salaries of the Californiz insciturions and the orker comparable inscitations from the higheast to the lowert average, by ranif tor the last actend and current rears. This will show the relative posiion ot the Calizormia institution inp the last actual and correat jears, as well as the range of averagen Frequency distributions of taculty by ranis or proiessor should be incorporated in an appendiand any signifcant limitations in the use of averages between ibose parcicular instirations in a given rear should je noter. For esample, an unasual propor. tion of sacultry in the high raniss or the !ow rasin would attact the comparability of the arithmetio means.
(3) Specini data to illustate a partucniar problem a any given rear rould be approy ate as long as it supplements. rather than seplaces, busic salary data.
d. Finally, it is recommended that salary iata be reported in a sorm by rank winich compensates tor diflerences in taculty distributions.
C. Fringe 3enemits

1. Findings
a. The deñition oi singe benents gene:rilly inciudes denerits aveidable to all tacalty that hive a iollar cost to the erfilioyer. Beneits
and serrices in tind are considered to be tringe berefits oniy it a casi payment option is avaiable. Recisement and heaith insurance, by deinition, are the onir two programs considered as iringe benerits by the Eniressity oi California and the Calizormia Stare Coileges.
b. Comparisons oi $三$-inge beneits. when comparisons have been made at all, have gener. alls been limited to the dollar contribation br the amployer and have not inclureded any analysis of the quality oif the bened a to the employee.
2. Brcommendations
a. It is recommended that fringe beneift somparisons ot trpe ot beneit be included in inculty sulary reports, but compared sepaataly trom salarien. Such comparisons shoud include an analysis of the quality of the tenefts as weil as the dollar cost to the amployer.
b. Propocals to increase specine tringe benefita shorid be mede separately ${ }^{\text {trom }}$ salaries, incinding separete coar estrmates.
3. Comments

Separate proposais for incresses in salaries and etinge benaits should be made to minimize misunderstanding aoout compecitive positions. For exampie, information submitted to the 1963 Iagislature by the Cuiversity of Calizornin, in support oí a proposed salary increase tor 106364, compared total compersazioni data (sainries pius tringe benents) sather than saiaries alone. This report stated in part: "In comparing sal. aries. tringe beneitas mast be taken inco account. Salery comparisons between the Cniver. sity and other inatimutions based on selary alone look tar more zarorable than comparisons oi salar'A plus benefits." The least savorab's com. parison was with tinge beneits. eut salaries, thas the report recommended a salary incresse largeig on the beris ot a differamee in tinge benedts 1 ' 'hough it is selt that comparisovis of total comprasation are appropriate inclasions in a facoitr salery roport, stach data should onily be in addition to rather than in place of sepazate anaipses of the curreat compecitive position in salaries and tringe beneits.

## 0. Total Componsation

1. Findings
a. Total compensation data consists ori arerage salaries plus a dollar amome represencing the employer's cost of teinge benerits.
b. The Coordinating Coumcil tor Eigher Ecucation, the Taiversity ot Califormia and the Caiiformia State Colleges have in the parr ail
used total compansation data prepared and published by the 1 merican lssociation of University Professors in their respective faculty salary reports.
2. Recommendations

Te recommend that total compensation dara, as reported by the dmerican Association of Cn-. versity Professors, be inchried in facuity salary reports as a supplement to separate salary and tringe bencilt information.
E Special Priviloges and Benefits

1. Findings

There ase other facuity privilegen and economic bencitits which are not decrified as fringe benofits bocanse thoy may not be availsble to all faculty or fit the deffinition of a fringe becceft in some orher respect Eramples at the Univer. sity of California inciod up to ono-half the cost of moving expenses, racetions for 11 -month appointres, the whiving of nonresident taition for faculty children, sabbatical leaves wich pay, and other special and sick leaves with or without par.
n. Recommandations

It is recommencied that a list of special privileges and benefits be defined and summaries of relased policies be incirded in 2 special section in future facults salery reports so that the Iegisiature will be aware of what these privileges and berefits inciade.
3. Comments

The expansion or extablisiment of some of these special privieges and benefts could improve recruiting seceess more than the expenditure of comparable amounts in salaries. For example, moving expenses are not encrenty oriered by the stare colleges bot some allowance might make the difference of whether a youns candidate trom the Eatt could accept an appoint. ment. If this type of beneft is proposed. it must incluce adequate controls.
F. Supplementary Income

1 Finoing
a. The muitiple loyalties created by permitting frendty to stapplement their salaries by earr. ing evter income trom rarious sources within and ourside his college or Triversics is rec. ogrized as a problem common to institurions of higher edacation througiout the Enited States.
o. There apparentry are proportionatel? more private consalting opportunities in Califor.
nia than in other areas of the nation. For erample, 51 percent oi the federal research defense contracts were concentrated in Caiifornia during 1963-64.
c. The University of Californis has general policies designed to insure that outride activiries do not interfere with University responsibilities. If ourside activities interiere with Гairersity responsioilities, the faculur member generally must taise a lente of absence without par meil such outride acrivities are compleced. These and other related University policies were praised in a 1956 Carnegiofinareed smady titled Unioorsity Faculity Compansation Policies and Practices.
d. The Coordinating Coumeii for Eigher Eduexion submitted excerpts from narionwide studies relating to the maspirude of ontside ectivities. We have no way of detemining how the dace may relate to Californie, bot if the flyures are reasonable, then it appears that probably a large percentage of faculty have at least one soures of exter income. Sources of income were reportod are follows:

Por. met of faculty cornowg edditionai
Souree income from seures

| Source | mome!rim rewes |
| :---: | :---: |
| [acturics |  |
| Genesal writing |  |
| Summer and ertensioz teaching_-_menomen |  |
|  |  |
| Terrbook writis |  |
| Pitvite coasuldis |  |
| Pablic sernce asd focodation coasutiat_-_- 9 |  |
|  |  |
| Sowpes: Gnyerg th the $0 . S$. of thatis $?$ | wers and Practrers ractea, Enversity |

e. The Tnited Saste Office of Edizcation has jusi completed a astionwide sample surver of outside earaings of college facult: for 1961-62. Dlthoucin daca has not been published ret, special permission inas been received to report the following resclts wich are quoted from a letter sent to the Lesislative Analysi on December 3. 196t from tiae staf゙ of the Cdiforaia State Coillege Irustees:

## outsidi earnings of traching paculty on ACADEMIC YEAR CONTRACTS ( 9 -10 MONTHS)

The 工. S. Offce of Eacucation has just completed a nationwide surrer of outside earnings ber a sampiing of all college facultr nationwide for 1961 - 5 . The results are as sollows:


The highest average earnings br teaciong feld and the percentage with oumside earnings are:

|  | Pereent | Sorrape |
| :---: | :---: | :---: |
| Iave (Which we do noc bavel | - 8 | 38300 |
| Endereerne | 5 | 3.200 |
| Busimese and Can | 3 | 2900 |
| Prymieni Sermese | 311 | 2000 |
| AFremitus | I | $\stackrel{100}{ }$ |
| Prjeholog | 8 | 2700 |

In light of the Joint Commirtee discussion you migit be interested in the following:

|  | Teroont | Avorese |
| :---: | :---: | :---: |
| Focini Scieacrs | - it | 51.500 |
| Ftoe arts | it | 1.800 |
| Philopople | is | 1.500 |
| Beligion and | . 5 | 2 SO 0 |

2. Recommendarions
3. We recommend that the Coorcijating Council for Eigher Edncation, the Caiversity of California and the Californis State Colleges cooperate in determining the exrent to which tacoltr memoers participate in extra activiries to supplement their mine-month saiarie: inclucing informetion as to when extse acurities are ustally performed (such as racations. etc.). Snch activities would inclade. jua not be limited to, leetroring, general witinf: sammer anu exrension teeching, government consultins. textbook wi:ting, private consultiny, problic service arfi ioundanon consulting. and other profeasional activitues. If such a study sugiests that the magruitude of these activities is such that the periormauce oi normal -inirersity and state college responsibilities are perhaps beins adrersel: aйecred. then consideration siould be giver
to the possibiiitr of maintaining more complete and meaningtul records. Suci records would aid adminstrative oficials and academic senates wien reriewing zecommendarions for promotions and salary increases and provide summare data for reporting to the Lerislature on these signinicant facuitr wellare trems. Liest rear's sacultr salare seport of the C'ourdinating Cuuncil for Eiginer Education suould incorporate the resuits of this study.
b. We aiso recommend that existiny stare college policies and eniorcement pracnces ro garding extra emplorment be reriewed and updated
c. Finalls, it is recommended that sacolts sal. ary reports beep the Legislature intormed about policies and practices relating to exra employmest.
4. Comments

In our opinion. it worid seem that any extrat emplorment would afiect the qualitr of per. fornance i Caiversity remponsibilities since faculty surpeys indicate that the average :ac ulty workeek is 54 hoars The time spear on ycrivities ior erta compensation (excepr inr. ing the summer) would be on top oi wias the jacultr has deflined as their average workreeis. Becanse. in some instances, it is dificult to determune whether a given income-prodncing actimtr, such as mriting a book is considered a normal Courersity responsibility or an esina astivire, distinctions between normal and esina actirities need to br more clearir defined.

Mruch of the outride compensation received be sacultr comex in the form of srants made directly to the saculty member anther tian througin the Coiversity or colleges. There is no regular reporting of these grants or the ner. sonal compensation mhich they proride to iacolte. and the colleges and Exivemity do not consider the reporting ot suci income to be Seasible. It mar be desirable to ancourage the Congress to direct that greater aumber oi grants made br Cuited Stares arencies ior re. search be made direct); to acauemic institutions.

## Appendix $E$

# U'NIVERSITYOF Califorida 

SANTA BARBAEA • SANTA CNITR

1) IIII) PIERP(ONT CARIDNER

President
IILLIAM R FRAZER
Sentor I ice President -
tcademic tffars

OFFICE OF THE PRESIDE.IT BERKELEY. CALIFOR VIA HizO
August 23, 1985

Director Patrick M. Callan
California Postsecondary Education Cormission
1020 Twelfth Street
Sacramento, CA 95814
Dear Pat:
As you know in Supplemental Language to the 1984-85 State Budget the Legisiature directed as follows:
"4. Retirement System Data. The University of California (UC) and the California 厄tate University (CSU) are directed to request from their faculty comparison group universities the following data on retirement benefits in addition to data currently collacted:

- Of the average amount identified for fringe benefits, the average dollar arount related to contribution for retirement.
- The average contribution needed to fund the 'normal costs' of the retirement system.
- The average employee contribution to the retirement system.

The California Postsecondary Education Commission (CPEC) is directed to include in its Annual Report on Faculty and Administrator Salaries a table that compares the normal costs less the employee contribution of the UC and CSU retirement systems and the same data for their respective comparison university groups. The CPEC report shall aiso include data on the percentage of reported fringe benefits that are related to retirement for UC, CSU, and their respective comparison groups."
"It is further the intent of the Legislature that UC and CSU attempt to collect and provide information on actual benefits in addition to reported cost data for their comparison instititions."

I am enclosing the Towers, Perrin, Forster \& Crosby (TPF\&C) report which responds to the questions directed to the Postsecondary Education Commission
and to the three questions directed $t$ the University (and the CSU).
The comments below provide additional information which should clarify our response to these questions.

Question 1 "Of the average amount identified for fringe benefits. the average dollar amount related to the contribution for retirement."

We have prepared this answer utilizing the salary data and percent contribution for retirement reported by the comparison eight.

Question 2 "The average contribution needed to fund the 'normal cost' of the retirement system."

Total cost for a defined contribution plan is the normal cost of the plan. Another plan's normal cost would be equal is that for the University of California if demographics were the same. Total cost for a defined benefir plan is the normal cost plus the amortization for past service liability. Past scrvice liability is determined on a plan's demographics, actuarial assumptions, cost methods and prior business decision, e.g., expected and actual investment results and funding objectives. Consequently, the total cost for a defined benefit plan reflects multiple variables.

C calculated normal cost for the Comparison Eight utilizing our faculty demographics, our costing method and our actuarial assumptions for each of the plans. Therefore, the numbers listed as "normal costs" represent a calculated number for comparison only, and may not represent the normal costs as reported by each of these plans. Our normal cost was determined utilizing our faculty population only, and not our total population. The faculty's higher compensation, higher age at entry into the plan and greater likelihood of receiving plan benefits contribute to a higher cost. Consequently, our normal cost in this report is greater than the previous reports prepared by our actuaries.

Question 3 "The average contribution to the retirement system."
Our consultant, TPF\&C, utilized the same methodology as reported in Question 2.

We jope this response will prove useful. If thero are any questions on this
report please call me at (ATSS) 582-2626, or (415) 642-2626.
Very truly yours,


Calvin C. Moore
Assistant Vice President--
Academic Personnel and Planning

## Attachment

cc: Senior Vice President Frazer
Associate Vice President Albertson (w/o att.)
Assistant Vice President Hershman
Directer Condren (w/o att.)
Coordinator Stark (wo att.)
Mr. Stan Lena, Department of Finance
Mr. Stuart Marshall, Legislative Analyst's Office

# ONIVERSITY OF CALIFORNIA <br> FACOLTY RETIREMENT INCOME VALUE 

OF COMPARISON INSTITUTIONS
FOR CALIFORNIA POSTSECONDARY EDUCATION COMMISSION ANNUAL REPORT ON FACOLTY AND ADMINISTRATOR SALARIES 1984-85 FISCAL YEAR

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The University of California (UC) provides faculty salaries ad the value of fringe senefits for an annual report of the California Postsecondary Education Commission (CPEC). In connection with the 1984-85 report:
"The California Postsecondary Education Commission (CPEC) is directed to include in its Annual Report on Faculty and Administrator Salaries a table that compares the normal costs less the employee contribution of the $\mathbb{C C}$ and CSU retirement systems and the same data for their respective comparison university groups."

Normal costs have been determined using the actuarial cost method and assumptions approved by The Regents for 1984-85 Oniversity cf California Retirement System (UCRS) normal costs (Table 85-3). The normal costs for defined benefit plans (UC, Illinois and Wisconsin) include a provision for administrative expense of 0.38 of covered compensation. The charge for administra inve expense is included in the basic contribution rate of the other defined contribution plans. To neutralize different demographic characterdstics of comparison institutions, the normal cost of sach institutions's retirement plan was determined as though the plan applied to UCRS faculty members. Faculty members are restricted to those who have teaching responsibility, as defined by the title codes shown in Table 85-1. A summary of the number and 1984-85 expected salaries of these faculty members is displayed on an age/service matrix in Table 85-2. This data was extracted from the UCRS active member system as of April $1,1984$.

The institutions involved in the comparison are:

Cornell
Harvard
Illinois
Michigan

> Stanford
> State University of New York (SUNY) Wisconsin
> Yale

The faculty retirement plan of each institution was used for the comparison. These plans are summarized in Table 85-4. The TIAA-CREF plan was used for SUNY since we understand that $90 \%$ of the faculty belong to this plan.

Participants are full: covered by Social Security except at UC and Illinois. $O C$ participants are covered by Social Security if they were hired after March 31, 1976 or if they elected to be covered. Illinois participants are not covered by Social
Security. The expected Social Security taxes for old age, disability and survivor benefits, payable during the 1984-85 fiscal year are shown for each institution so this can be factored into the total contribution picture.

The normal cost is the total cost of a plan allocated to the 1984-85 year under the entry age actuarial cost method. Each university's normal cost is the total normal cost minus the members' contributions.

$$
\frac{\frac{\text { Normal }}{\text { Total }}}{14.38} \text { (1) as percent of Covered Compensation } \quad \frac{\text { Member }}{3.5 \%} \quad \frac{\text { University }}{10.88(1)}
$$

California

| Cornell | 10.0 | 0.0 | 10.0 |
| :--- | :--- | :--- | :--- |
| Harvais | 11.0 | 0.0 | 11.0 |
| Illinois | $23.3^{(1)}$ | 8.0 | $15.3^{(1)}$ |
| Michigan | 15.0 | 5.0 | 10.0 |
| Stanford | 15.0 | 5.0 | 10.0 |
| SunY | 13.9 | 0.6 | 13.3 |
| Wisconsin | $8.2^{(1)}$ | $0.0^{(2)}$ | $8.2^{i i)}$ |
| Yale | $14.3^{3}$ | 3.9 | 10.4 |

Notes: (1) Includes administrative expense of 0.3\%.
(2) Wisconsin designates part of its contribution (5.0\% of pay) as member contribution, to be paid to the member at termination or upon death.

## SOCIAL SECURITY TAXES

Expected old age, survivors and disabiiity taxes for the 1984-85 plan year are 5.7\% of Social Security covered wages. The institution and the covered employee both pay the same tax. The following is the institution's tax as a percent of total covered compensation.

Taxes as Percent of Covered Compensation
California ..... $2.5 \%$Illinois0.0
All Others ..... 4.6

## TITLE ODES USED IN THE CPEC FACULTY SNLARY REPORT

1100 1103 1104 1110 1130 1143
1144
1145

Professor - 9 months Professor - 9 months - $1 / 9$ payment University Professor Professor - 11 months Professor - 10 months Professor - 9 nonths - Business/Engineering Professor - 11 months - Business/Engineering Professor - 9 months - $1 / 9$ payment - Business/Engineering

Associate Professor - 9 months Associate Professor - 9 months - $1 / 9$ payment Associate Professor - 11 months Associate Professor - 10 months
Associate Professor - 9 months - Business/Engineering Associate Professor - 11 months - Business/Engineering Associate Professor - 9 months - $1 / 9$ payment -: Bus/Eng.

Assistant Professor - 9 months Acting Assistant Professor - 9 months - $1 / 9$ payment Asistant Professor - 9 months - $1 / 9$ payment Acting Assistant Professor - 9 months Assistant Professor - 11 months Acting Assistant Professor - 11 months Assistant Professor:-10 months Assistant Professor - 9 months - Business/Engineering Assistant Professor - 11 months - Business/Engineering Assistant Professor - 9 montis - $1 / 0$ payment - Bus/Eng. Acting Assistant Professor - 9 months - Business/Engineering Acting Assistant frofessor - 11 months - Business/Enginsering Acting Assistant Professor - 9 months - $1 / 9$ payment - Bus/Eng.

Instructor - 9 months
Instruetor - 9 months - $1 / 9$ payment Instructor - 11 months

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# UNIVERSIIY OF CALIFORNLA CPE: OMPARISON 

SUMMARY CF ACTUARIAL METHODS AND ASSUMPTIONS<br>AS OF JUTY 1, 1984<br>(APPROVED EY THE RDGENIS IN CCIOBER 1983)

## A. ACTUARIAL METHODS

1. Calculation of Normal cost and Actuarial Accrued liability: The method used to determine the nommal cost and actuarial accnued liability was a combination of the Entry Age Actuarial Cost Method described below.

Entry Age Actuarial Cost Method
Projected retirement benefits payable at the assumed retirenent ages and projected benefits payable in the event of the preretirement death or disability of eligible members were determined for all active members. Cost factors designed to produce annual costs as a canstant percentage of each member's expected pay in each year from the assumed entry age to the assumed retirement ages were applied to the projected benefits to determine the normal cost (the portion of the total cost of the plail allocated to the current year under the method). The actuarial assumptions shown below for nonmal cost and actuarial accrued liability were used in detemmining the projected benefits and cost factors. The actuarial accrued liability for active members (the portion of the total cost of the plan allocated to prior years under the method) was detemined as the excess of the actuarial present value of projected pension benefits over the actuarial present value of future normal costs.

The actuarial accrued liability for retired and disabled members and their beneficiaries currently receiving benefits and terminated vested inactive menbers not yet receiving benefits was detemined as the actuarial present value of the benefits expected to be paid. No normal costs are now payable in respect of these members.

The nomal cost was reduced by the actuarial present value of member contributions expected to be paid during the fiscal year.

$$
53 A
$$

## B. ACIUARIAL ASSUMPTIONS

Nomal Cost and Actuarial Accrued Liability
i. Investment return
$8 \%$ per year.
2. Salary increases

Rates which vary by attained age (Exhibit C).
3. Social Security benetits

Benefits payable at age 65 under the law in effect on July 1, 1983 and assuming fiture average wages increase a: $7 \%$ per year and cost of living increases at $6 \%$ per year (Exhioit R).
4. Mortality for non-dis=bled members 1971 TPF\&C Forecast (Exhibit A).
5. Menber termination

Rates wich vary by employment classification, age and duration of service as set for $\boldsymbol{n}$ h in Thabit $\mathrm{B}-1$.
6. Retirement incidence

Rates which vary by employment classification as set forth in Exhibit L-1.
7. Disaki, nent

Rates developed from the Society of Actuaries scudy $x$ inciderce of disablenent for nurporate long-term disability plan fron 1966 te 1970 (Exhibit D).

Actuarial Present Value of Accumulated Plan Benefits

88 per year.

Rates which vary by attained age, applied to estimate past salary (Exhibit C).

Benefits payable at age 65 uncier the law in effect on July 1, 1983 (Exhioi: R).

1971 TPF\&C Forscest (Exhibit A).

Rates whinh vary by emoloyment classification, age ard curation of service as set forth in Exhibit B-1.

Rates which vary by employme't. classification as set forth in Exhibit L-1.

Rates developec from the Society of Actuaries study of incidence of disablement for corporate long-term disability , lans from 1966 to 1970 (Exhibit D).

## Normal Cost and Actuarial Accrued Liability

8. Mortality for disabled maiders

1955 Railroad Retirenent Board disabled annuitants mortality table - ultimate (Exhibit E).

Actuarial present value of Accumulated Plan Benefits

1965 Railroad Retirement Board disabled annuitants mortality table - uľimate (Exhibit E).
9. Remarriage

1962 Railroad Retirenent Board remarriage table - ultimate (Exhibit F). No remarriage for spouses older than age 59.
1962 Railroad Retirenent Board remarriage table - ul' 'mate (Exhibit F). to remar iage for spouses older than age 59.
10. rooportion of active members who are married

Rates as detailed in Exhibits $G$ and H. It is assumer? that wives are three years youncerer than husbands.

Rates as detailea in Exhibits $G$ and E. It is assumed that wives are three years younger than husbands.
11. Number of dependents of married members

Number as detailed in Exhibits I and $J$.
12. Entry age for funding

Are on birthday nearest July $1 \quad$ N/A following exployment.
13. Administrative expenses

None included. No charge against the Irust Fund.
14. Future serrive for part-time employees who are meniers

Menber will berome full-tine N/A
for all future years.
15. Probability of electing a refund on termination of employment

Rates which vary by age and service as set forth in Exhibit M.

Rates which vary by age and service as set forth in Exhibit M.

## Appendix $F$

Faculty Income Maintainance Programs In the California State University and the Comparison Institutions

## A Report Prepared for the California Fostsecondary Education Commission

by 'he<br>Office of the Chancellor.<br>The California State University

August 1985

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## Introduction

This report reviews .. Inge benefits provided to faculty in The California State University during the 1984-85 academic year in relation to the benefits provided at 16 "comparison" universities that submitted faculty salary data to the Chancellor's Office in the Spring of 1985.

The report is prepared in response to the Legislature's request that the California Postsecondary Education Commission collect additional iniormation regarding faculty fringe benefits in the University of California and the CSU and their respective comparison institutions.

The primary focus of the report is on the various income maintainance programs established for faculty: retirement, life insurance, disability income protectior, and social security. A brief summary of tuition benefits at the comiparison institutions is also appended.

In consultation with staff of the Postsecondar;' Education Commission, the report omi's comparison of heaith related benefits. The CSU offers some 25 different health benefit plans and the comparison institutions also offer numerous plans. Data obtained in prior surveys indicate that CSU expenditures for health benetits are significantly above those of other institutions across the country. It appears, however, that this cost difference reflects the higher cost of medical and hospital services in California than in the rest of the nation.

Also omitted from the report are provisions of workmen's compensation and unemplcyment insurance for which faculty are eligible. For the most part, full-time faculty are only remotely affected by these programs.

1. The faculty income maintainance programs available to CSU faculty (Social Security, retirement, death benefits and disability protection are commonly found among the comparison institutions.
2. The retirement benefits obtained by CSU faculty who retire directly from Cn'J employment are competitive with those provided by the comparison instititutions with similar retirement plans.
3. The : : stirement benefits accrued by younger isU faculty whose careers will take them to other higher education instit tions are not competitive with those accruing to faculty at institutions that participate in defined contribution plans suct. as TIAA.
4. The cost of the CSU retirement plan is not reacily comparable to that in other instititutions of higher education. The cost of similar retirement plans at other universities, as reported in faculty compensation surveys, bears little relation to the "normal" cost of these plans.
5. The average contribution made by faculty in the comparison institutions for their retirement benefits is $5.29 \%$ of salary. The contribution rate for CSU faculty is $5 \%$.
6. The life insurance and survivors' benefits provided to tenured CSU faculty prior to the mininum retirement age are less than those found in the comparison group.
7. The disability income protection available to CSU facuity is belcw the average found in the comparison institutions.
8. Half of the comparison institutions provide tuition remission benefits to faculty spouses and dependent children.

## Social Security

After retirement plan expenses, Social Security taxes are the largest fringe benefit expense incurred by the CSU and the 16 comparison institutions IIll but two of these institutions participate in Social Security. Ir addition, one of the participating universities incurs a much higher cost than the others because it pays nearly half of the taxes normaily paid by employees. Overall, CSU expenses are very similar to those incurred by the entire comparison group. In 1984-85, CSU expenses averaged $5.82 \%$ of salary expenditures (for full-time faculty) while the average for the comparison group was $5.88 \%$.

As Social Security benefits are determined by Federal law, benefits available to CSU faculty are identical to those for faculty at other participating universides, with the one exception where the university pays part of the faculty member's OASDI taxes.

## Retirement

Faculty in the 16 comparison institutions are provided retirement benefits through a variety of different plans. (See table \#1) The vast majority participate in "defined contribution" or money purchase plans associated with the Teachers Insurance and Annuity Association (TIAA-CREF). Eleven of the 16 universities offer TIAA retirement benefits. At seven campuses, TIAA was the basic plan available to faculiy; at four other institutions TIAA was a major option to the state teacher or public employee retirement system, an option chosen by a majority of faculty.

At the five remaining institutions, faculty participate in public employee or state teacher retirement systems that are "defined benefit" plans. Two of the five have significant money purchase options similar to TIAA. The other three have plans analaguus to the California Public Employees Retirement System (PERS). None of the comparison institutions operates its own retirement system.

The provisions for participation in TIAA at the eleven universities are shown on table \#2 and the level of contribution by the faculty' and the universities are shown on table \#3. As a rule, university contributions to TIAA begin upon appointment, though two universities make no contributions until a faculty member's second year.

Universities participating in TIAA contribute, on the average, $8.4 \%$ of their faculty salary expenditures to fund annuity accounts owned by the faculty. The latter's average contributions is $5.6 \%$ of salary. As a result, approximately $14 \%$ of salary are accumulated each year toward retirement of the faculty in these institutions. After a very shorit time (in most cases immediately) these contributions and the interest earned thereon are irrevocably the property of the faculty member.

These growing balances, however, are not accessible to farulty except in the form of annuities beginning at age 55 or later. The longer these balances accumulate and the older the faculty is on retirement the larger his or her monthly annuity can be. At retir?ment, the annuities payable are materially affected by the rate of interest then prevailing, as well as for the preceding intervening years.

The increasing value of TIAA accounts occurs regardless of where a person is employed. The immediate vesting of employer contributions and extensive portability of TIAA appear to be major reasons why most faculty with the option to choose between a defined benefit plan or T!AA choose the latter. This choice occurs even when it results in reduced take home pay, as in the case of two of the four universities with that alternative.

With regard to defined benefit plans, their operations are generally more complex than money purchase plans. Table \#4 presents the basic payout formula of the various plans in terrns of the percentage facto: applied to final salary and the age at which the factor is reached. It also shows the time required for the retirement benefit to vest including the earliest age at which the retirement benefit becomes fully vested.

Overall, it is evident that the CSU/PERS retirement benefits are equal to or superior to the benefits provided by the five other defined benefit plans. Table \#5 lists certain provisions in the different plans that alter their relative value under particular circumstantces. The special attributes of the other plans are their greater portability, possible through money purchase options and the right to receive credit for public employment or teaching in jurisdictions outside the state's boundaries. The main attribute of California's plan is the high payout ratio (2.4\%) at age 63.

In conclusion, the retirement plan available to CSU faculty appears well suited to older faculty who intend to remain at the CSU till retirement. For younger faculty who can expect to move to other institutions, the CSU retirement plan is probably of far less value than any of the defined contribution plans and at least two of the defined benefit plans, in other words than 13 of the 16 comparison institutions.

## \# \# \# \# \#

It was not possible for the CSU to establish a common "employer normal" cost for the various retirement plans. For the defined contribution plans, the resptective rates of contribution determines their normal cost.

63

For the defined benefit plans, however, the computations of normal cost depend upon a number of assumptions. The principal assumptions, regarding the rate of return on investments (interest rate) and the rate of growth in salaries, made by each plan in determining the normal cost are shown on table \#6. The table also shows emplovee contribution rates and the rates which participating agencies are charged.

It is evident from table \#6 that the assumptions used by PERS are a significant factor raising the normal cost determination. The anticipated payroll increase of $8 \%$ is much higher than the assumptions used by the other retirement systems. This is not a criticism of the PERS assumptions which undoubtedly are based upon the best judgement of its actuaries. But an indication that the normal cost values shown on the table are derived very differently.

Table \#6 also indicates that the expenses reported by the various universities for retirement bear no practical relationship to the normal cost of their plans. This is true of the CSU and the five other universities with defined benefit retirement plans.

Finally, the average employee contribution to retirement benefits was $5.56 \%$ fr ' faculty at institutions with TIAA and $4.77 \%$ for faculty at campuses with defined benefit plans. The overal! average was $5.29 \%$ of Emary. The contribution rate of CSU faculty is $5 \%$.

## Table 1

## Types of Retirement Plans Available in CSU and Comparison Institutions in 1984-85

Defined Defined<br>Contribution Benefit

OU

| A | X | X |
| :---: | :---: | :---: |
| B | $X$ |  |
| C | $X$ |  |
| 2 |  | X Money purchase option |
| E | $X$ |  |
| F |  | $X$ |
| G |  | X |
| H | $X$ |  |
| 1 | $X$ | X |
| J | $X$ |  |
| K | X | $X$ |
| L | X | X |
| M | X |  |
| N |  | $x$ |
| 0 | X |  |
| P |  | X Money purchase option |

65

## Table 2

> Provisions of Defined Contribution
> Retirement Plans in CSU Comparison Institutions
> University Contributions

| University | Begin | Vest | End |
| :--- | :--- | :--- | :---: |
| A | On appointment | 5 years | Retirement |
| B | On appointment | Immediately | $"$ |
| C | After one year | Immediately | 68 |
| E | After one year | Immediately | 65 |
| H | On appointment | Immediately | Retirement |
| I | On appointment | 5 years 1 | " |
| J | On appointment | After one year | $"$ " |
| K | Cn appoiniment | Immediately | $"$ |
| L | On appointment | Immediately | " |
| M | On appointment | Immediately | 65 |
| O | After two years | Immediately | Retirement |

1. University contributions revert to State Retirement system if faculty separates within five years arid does not go to another employer with TIAA.

## Table 3

University contributions to income maintaince programs Defiried Contribution plans

| Retirement | Life | Disability | Total |
| :--- | :--- | :--- | :--- |
|  | las. | Insurance | Univ. |

Fac. Univ. Univ. Univ.

| A | $7.0 \%$ | $7.0 \%$ | $0.05 \%$ | $0.37 \%$ | $7.42 \%$ |
| :--- | ---: | :--- | :--- | :--- | :---: |
| B | 5.0 | 7.5 | 0.73 | 0.47 | 8.70 |
| C | $5-6.0^{\mathrm{a}}$ | $1 \mathrm{J.0}$ | 0.46 | 0.43 | 10.89 |
| E | $5-7.0^{\mathrm{b}}$ | $5-7.0^{\mathrm{b}}$ | 0.04 | 0.71 | 5.75 |
| H | 8.0 | 8.0 | - | - | 8.00 |
| I | 6.0 | 6.0 | - | - | 6.00 |
| J | 5.0 | 8.0 | 0.82 | 0.18 | 9.00 |
| K | $0-3.0^{\text {c }}$ | $9-15.0^{\text {c }}$ | - | 0.18 | 14.38 |
| L | 6.85 | 8.5 | - | - | 8.50 |
| M | 5.0 | 9.5 | 0.40 | $n / a$ | 9.90 |
| O | 5.0 | 10.0 | 0.22 | 0.82 | 11.04 |
| Weighted ave. | $\underline{5.6 \%}$ | $\underline{8.41 \%}$ | $\underline{0.19 \%}$ | $\underline{0.24 \%}$ | $\underline{8.85 \%}$ |

a. Faculty have the option of contributing at either 5 or $6 \%$ rate.
b. Contributions on salary below OASDI maximum are at $5 \%$, those above are at $7 \%$.
c. Faculty hired since 1976 contribute at $3 \%$ rate; Úniversity contributions are $9 \%$ on salary to $\$ 16,900$ then $12 \%$. Other faculty have no mandatory contributions, while university's are $12 \%$ and $15 \%$.

## Table 4

## Provisions in Defined Benefit Ret oment

 Plans in CSU and Comparison Institutions, 1984-85| Formula | Vesting <br> Period | Early Retirement and <br> Salary Reduction |
| :---: | :---: | :---: |
| $2 \%$ at 60 | 5 yrs |  |


| CSU/PERS | $50 \text { yrs. 0.25-c }$ | $2 \% \text { at } 60$ mo. | 5 yrs. |
| :---: | :---: | :---: | :---: |
| $F$ | 2\% at 62 | 10 yrs . | 60 yrs. $0.25 \% / \mathrm{mo}$. |
| $G$ | 1-1.5\% at 65 | $10 \mathrm{yrs}. \mathrm{\#}$ | $55 \mathrm{yrs} .0 .25-0.5 \% / \mathrm{mo}$. |
| D | 2\% at 65 | 5 yrs. | $55 \mathrm{yrs} .0 .5 \% / \mathrm{mo}$. |
| $N$ | 1.65\% at 65 | 5 yrs . | $55 \mathrm{yrs} .0 .5 \% / \mathrm{mo}$. |
| $p$ | 1.6\% at 65 | Inımediate | $55 \mathrm{yrs} .0 .4 \% / \mathrm{mo}$. |

Parameters in Alternative Plans

| A | $2 \%$ at 65 | $5 \mathrm{yrs} . \#$ | $50 \mathrm{yrs} .0 .25-0.5 \% / \mathrm{mo}$ |
| :--- | :--- | :--- | :--- |
| $k^{\prime}$ | $1.67-2 \%$ at 62 | 10 yrs. | $55 \mathrm{yrs} .0 .25-0.5 \% / \mathrm{mo}$. |
| 1 | $1.57 \%$ at 65 | 5 yrs. | $50 \mathrm{yrs} .0 .25 \% / \mathrm{mo}$. |
| 1 | $2 \%$ at 65 | 10 yrs. | $55 \mathrm{yrs} .0 .5 \% / \mathrm{mo}$. |

\# Faculty age 65 or over m'y retrea with one year's service.

## Table 5

## Sperial Considerations Affecting Defined Benefit Plans

CSU
F

Benefit percentage rises to $2.4 \%$ at age 63
Credit for out of state public service or teaching can be purchased; with 30 yrs. service $2 \%$ applies regardless age.

Deferred annuities rise $3 \% / \mathrm{yr}$. until retirerisnt.
D
Money purchase option matches employee contributions and interest; out of state credit purchasable.

N
Money purchasa option maiches employee contributions and interest

## Alternative Plans

$2 \%$ applies at 60 with 25 yrs.; at $62 \mathrm{w} / 10 \mathrm{yrs}$.
Bencfits vary extensively depending upon particular date of entry into retirement plan

Out of staíe credit purchasable; w/30 yrs. $1.57 \%$ factor applies regardless of age.

Out of state creslit purchasable; w/20 yrs. 2\% factor applies regarless of age.

## Table 6

## Assumptions and Normal Cost Values Rerorted

 By Deïnea Benefit Retirement Plarıs| Raterest | Payroll <br> increase$\quad$Normal" <br> Cost | Employee <br> Contrib. | Employer <br> Normal | Agencies <br> Charged |
| :---: | :---: | :---: | :---: | :---: |

## CSUPERS

$8.5 \% \quad 8.0 \% \quad 15.3 \% \quad 5.0 \% \quad 10.3 \% \quad 17.6 \%$

| F | 7.0 | 5.5 | 12.1 | 6.0 | 6.1 | 13.2 |
| :--- | ---: | :--- | :---: | :--- | :---: | :---: |
| G | 8.0 | 6.5 | 8.3 | 4.5 | 3.8 | 9.0 |
| D | 7.5 | 5.25 | 14.2 | 8.75 | 5.5 | 14.0 |
| N | 6.5 | 4.0 | 8.2 | 5.0 | 3.2 | 11.3 |
| P | 7.5 | 6.0 | 10.4 | 0 | 10.4 | 11.3 |

Weighed
Average
4.77\%

## Appendix $G$

## EXHIAITA

UNIVERSITY OF CALIFORNIA HETIPEMENT SYSTEM

ANNUAL DATES OF MORTALITY

|  | ANNUAL |  | ANNUAL |  | ANNUAL |  | ANNUAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| male | Hate of | Male | KATE OF | male | RATE OF | Male | RATE OF |
| $A G E$ | MOHTALITY | AGE | MORTALITY | AGE | MORTALITY | AGE | MORTALITY |
|  |  |  | -******* | -*** | -******* | -** | -******* |
| 10 | . 000406 | 35 | .001168 | 60 | -013216 | 85 | . 130743 |
| 11 | .000413 | 36 | .001253 | 61 | -014452 | 86 | -140002 |
| 12 | .000422 | 37 | . 001348 | 62 | . 015773 | 87 | 149447 |
| 13 | . 000430 | 38 | . 001454 | 63 | .017202 | 88 | . 159267 |
| $1 *$ | . 000439 | 39 | . 001571 | 64 | . 018935 | 89 | -159541 |
| 15 | . 000451 | - 0 | . 001700 | 65 | . 020982 | 90 | .180337 |
| 16 | .000462 | 41 | .001862 | 66 | . 023475 | 91 | . 191428 |
| 17 | -000-76 | 42 | . 002082 | 67 | . 020287 | 92 | - 202675 |
| 18 | . 000490 | 43 | . 002352 | 68 | . 029332 | 93 | . 215006 |
| 19 | . 000503 | 44 | . 002674 | 69 | .032545 | 94 | .229719 |
| 20 | . 000524 | 45 | .7030 1 | 70 | . 036284 | 95 | . 265661 |
| 21 | . 000543 | 46 | .003453 | 71 | . 040205 | 96 | . 262162 |
| 22 | . 000566 | 47 | .003907 | 72 | - 344043 | 97 | . 290078 |
| 23 | . 000589 | 48 | .004400 | 73 | .047723 | 98 | . 299603 |
| 24 | . 000615 | 49 | .004933 | 74 | .051474 | 99 | . 320625 |
| 25 | . 000644 | 53 | .005501 | 75 | . 055566 | 100 | . 343642 |
| 26 | . 000076 | 51 | . 0006106 | 76 | . 060364 | 101 | . 368879 |
| 27 | . 000712 | 52 | . 006744 | 7? | - '46249 | 102 | . 396582 |
| 28 . | . 000751 | 53 | . 007 (18 | 78 | . 072953 | 103 | . 428983 |
| $\geq 9$ | - 004794 | 54 | . 008124 | 79 | . 080085 | 104 | . 468359 |
| 30 | . 000942 | 55 | . 008866 | 80 | . 087865 | 105 | . 517025 |
| 31 | . 000895 | 56 | .009577 | 81 | . 095916 | 106 | . 577334 |
| 32 | . 000953 | 57 | . 010313 | 82 | . 104202 | 107 | . 651687 |
| 33 | . 001018 | 58 | -011113 | 83 | -112857 | 108 | . 739187 |
| 34 | .001089 | 59 | .012091 | 34 | . 121713 | 109 | . 244003 |
|  |  |  |  |  |  | 110 | 1.000000 |

## NUTE

anNuAL Rates of murtality among females AHE THOSE FOR MALES SET EACK 6 PEARS.
ANNUAL RA, ES UF WITHOFAWAL
NUMEER UF TERMINATIONS EXPECTED PER 1000 ACTIVE EMPLOYEES

YEARS OF SERVICE

|  | males |  |  |  | FEMALES |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE | 0-1 | $1-2$ | $3-3$ | $3$ | $0-1$ | $1-2$ | 2-j | 3* |
| 25 | 280 | 280 | 260 | 240 | 480 | 480 | 4 | 380 |
| 26 | 260 | 200 | 240 | 210 | 460 | $4 め 0$ | 420 | 360 |
| 27 | 240 | 240 | 220 | 180 | 640 | 440 | 400 | 340 |
| 2月 | 220 | 220 | 200 | 150 | 420 | 420 | 380 | 320 |
| 29 | 200 | 290 | 180 | 130 | 400 | 400 | 300 | 300 |
| 30 | 180 | 180 | 160 | 110 | 360 | 360 | 320 | 290 |
| 31 | 160 | 160 | 140 | 100 | 320 | 320 | 280 | 260 |
| 32 | 140 | 140 | 120 | 90 | 280 | 280 | 260 | 240 |
| 33 | 120 | 120 | 100 | 80 | 260 | 240 | 230 | 220 |
| 34 | 100 | 100 | 80 | 70 | 200 | 200 | 200 | 200 |
| 35 | 100 | 100 | 80 | 60 | 200 | 200 | 180 | 180 |
| 36 | 100 | 100 | 80 | 50 | 200 | 200 | 180 | 160 |
| 37 | 100 | 100 | 80 | 40 | 200 | 200 | 170 | 140 |
| 3 ¢ | 100 | 100 | 80 | 40 | 200 | 200 | 170 | 120 |
| 30 | 100 | 100 | 80 | 30 | 290 | 200 | 160 | 100 |
| 40 | 100 | 100 | 80 | 30 | 200 | 200 | 150 | 100 |
| -1 | 100 | 100 | 80 | 30 | 200 | 200 | 160 | 100 |
| 42 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 90 |
| 43 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 90 |
| 44 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 80 |
| 45 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 80 |
| 46 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 80 |
| 47 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 80 |
| 48 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 80 |
| 49 | 100 | 100 | 80 | 20 | 200 | 200 | 160 | 80 |
| 50 | 100 | 100 | 80 | 10 | 200 | 200 | 160 | 70 |
| 51 | 100 | 100 | 80 | 10 | 200 | 200 | 160 | 70 |
| 52 | 100 | 100 | Q | 10 | 200 | 200 | 160 | 60 |
| 53 | 100 | 100 | 80 | 10 | 200 | 200 | 100 | 60 |
| 54 | 100 | 100 | 80 | 10 | 200 | 200 | 160 | 50 |

## EMITLOYEE EARNINGS WHOJECTIONS

A : HATIO OF FINAL EARNINGS AT NETIREMENT TO CUMRENT EARNINGS 8 = PERCENTAGE INCKEASE ANTICIPATED IN YEAR OF AGE

| males |  | $\triangle G E$ |  | FEMALES |
| :---: | :---: | :---: | :---: | :---: |
|  |  | - - |  |  |
| - $A^{*}$ | -8* |  | - $A^{\circ}$ | -8* |
| 20.106 | 9.0 | 25 | 20.106 | 9.0 |
| 18.446 | 8.9 | 20 | 18.446 | 8.9 |
| 16.933 | 8.9 | 27 | 16.933 | 8.9 |
| 15.552 | $8 \cdot 8$ | 28 | 15.552 | 8.8 |
| 14.291 | 8.8 | 29 | 14.291 | 8.8 |
| 13.140 | 8.7 | 30 | 13.140 | 8.7 |
| 12.088 | 8.6 | 31 | 12.088 | 8. 6 |
| 11.127 | 8.6 | 32 | 11.127 | A. 6 |
| 10.248 | 8.5 | 33 | 10.248 | 8.5 |
| 9.643 | 8.5 | 34 | 9.443 | 8. 5 |
| 9.707 | 8.4 | 35 | 8.707 | 8.4 |
| 8.032 | 8.3 | 36 | 8. $=32$ | B. 3 |
| 7.414 | $8 \cdot 3$ | 37 | 7.414 | 8.3 |
| 6.847 | 8.2 | 38 | 6.84T | 8.2 |
| 6.327 | 8.2 | 39 | 0.327 | $8 \cdot 2$ |
| 5.849 | 8.1 | 40 | 5.849 | 8.1 |
| 5.411 | 8. 0 | 41 | 5.411 | 8.0 |
| 5.000 | 8.0 | 42 | 5.008 | 8.0 |
| 4.638 | 7.9 | 43 | 4.638 | 7.9 |
| *. 298 | 7.9 | $\dagger 4$ | 4.298 | 7.9 |
| 3.985 | 7.8 | 45 | 3.985 | 7.8 |
| 3.596 | 7-7 | 46 | 3.696 | 7.7 |
| 3.431 | $7 \cdot 7$ | 47 | 3.431 | 7.7 |
| 3. 186 | 7.6 | 48 | 3.185 | 7.6 |
| 2.961 | 7.6 | -9 | 2.961 | 7.6 |
| 2.752 | 7.5 | 50 | 2.752 | 7.5 |
| 2.560 | $7 \cdot 5$ | 51 | 2.560 | 7.5 |
| 2.382 | 7.5 | 52 | 2.382 | 7.5 |
| 2.216 | $7 \cdot 5$ | 53 | ci. 216 | 7.5 |
| 2.061 | 7.5 | 54 | 2.061 | 7.5 |
| 1.917 | 7.5 | 55 | 1.917 | 7.5 |
| 1.783 | 7.5 | 56 | 1.783 | 705 |
| 1.659 | 7.5 | 57 | 1.059 | 7.5 |
| 1.543 | 7.5 | 58 | 1.543 | 7.5 |
| 1.436 | 7.5 | 59 | 1.436 | 7.5 |
| 1.335 | 7.5 | 60 | 1.335 | 7.5 |
| 1.242 | 7.5 | 61 | 1.242 | 7.5 |
| -.156 | $\because .5$ | 62 | 1.156 | 7.5 |
| 1.075 | $7 \cdot 5$ | 63 | 1.075 | 7.5 |
| 1.000 | $0 \cdot r$ | 64 | .000 | 0.0 |
|  |  |  | 1 |  |

## UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM

## annual rates of oisablement

mumber of oishbilities expegted per 10,000 active employees at each age


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## UNIVERSITY OF CALIFORNIS. RETIREMENT SYSTEM

anNual rates of oisaeled mortality
NUMGER OF DEATHS EXPEGTED PER 1,000 DISABLED EIARLOIEES AT EACH AGE

| AGE | NO. | $\begin{aligned} & \text { AGE } \\ & \bullet \in O \end{aligned}$ | NO. $\bullet \bullet$ |
| :---: | :---: | :---: | :---: |
| 35 | 44 | 53 | 47 |
| 36 | 44 | 54 | 47 |
| 37 | 44 | 55 | 48 |
| 38 | 44 | 56 | 49 |
| 39 | 44 | 57 | 50 |
| 40 | 44 | 58 | 51 |
| 41 | 44 | 59 | 52 |
| 42 | 44 | 60 | 53 |
| 43 | 44 | 61 | 55 |
| 44 | 44 | 62 | 56 |
| 45 | 44 | 63 | 58 |
| 46 | 44 | 64 | 59 |
| 47 | 45 | 65 | 61 |
| 48 | 45 | 66 | 63 |
| 49 | 45 | 67 | 66 |
| 50 | 45 | 68 | 68 |
| 51 | 46 | 69 | 71 |
| 52 | 46 | 70 | 75 |

## UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM

ANNUAL RATES OF REMARIIAGE
NUMEER OF REMAREIAGES EXPEGTED PER 1,000 SIJRYIVING SPOUSES AT EACH age

| Aec | NO. <br> -e* | $A G E$ | NO. <br>  |
| :---: | :---: | :---: | :---: |
| 20 | 119 | 43 | 21 |
| 21 | 116 | 3 | 19 |
| 22 | 113 | 45 | 17 |
| 23 | 108 | 46 | 16 |
| 24 | 101 | 47 | 14 |
| 25 | 93 | 48 | 13 |
| 26 | 67 | 49 | 12 |
| 27 | 81 | 50 | 11 |
| 28 | 76 | 51 | 10 |
| 29 | 71 | 52 | 9 |
| 30 | 66 | 53 | 8 |
| 31 | 62 | 54 | 8 |
| 32 | 59 | 55 | 7 |
| 33 | 55 | . 56 | 6 |
| 34 | 50 | 57 | 6 |
| 35 | 46 | 58 | S |
| 36 | 41 | 59 | 5 |
| 37 | 37 |  |  |
| 38 | 34 |  |  |
| 39 | 31 |  |  |
| 40 | 28 |  |  |
| 41 | 25 |  |  |
| 42 | 23 |  |  |

## UNIVERSITY OF GALIFORNIA

 KETIREMENT SYSTEMpercentage of active emplotees married -- females

| $\begin{aligned} & A G E \\ & \bullet \in \bullet \end{aligned}$ | PEREENT <br> -****** | $\begin{aligned} & \text { AGE } \\ & \bullet \in \in \end{aligned}$ | PEREENT <br> -***** |
| :---: | :---: | :---: | :---: |
| 20 | 33 | 45 | 85 |
| 21 | 46 | 46 | 85 |
| 22 | 61 | 47 | 84 |
| 23 | 69 | 48 | 84 |
| 24 | 75 | ; 9 | 83 |
| 25 | 79 | 50 | 82 |
| 26 | 81 | 51 | 82 |
| 27 | 8? | 52 | 81 |
| 28 | 83 | 53 | 80 |
| 29 | 84 | 54 | 79 |
| 30 | 85 | 55 | 78 |
| 31 | 86 | 56 | 77 |
| 32 | 87 | 57 | 76 |
| 33 | 87 | 58 | 74 |
| 34 | 87 | 59 | 72 |
| 35 | 88 | 60 | 70 |
| 36 | 88 | 61 | 68 |
| 37 | 88 | 62 | 66 |
| 38 | 87 | 63 | 64 |
| 39 | 87 | 64 | 62 |
| 40 | 87 | 65 | 60 |
| 41 | 87 | 66 | 58 |
| 42 | 86 | 67 | 56 |
| 43 | 86 | 68 | 54 |
| 44 | 86 | 69 | 5 |

## UNIVERSITY OF CALIFOfRIA <br> RETIREMEKT SYSTEH

| $A G E$ | PERCENT <br> -***** | AGE | PERGETT -tober |
| :---: | :---: | :---: | :---: |
| 20 | 16 | 45 | 88 |
| 2: | 29 | 46 | 49 |
| 22 | 42 | 47 | 89 |
| 23 | 54 | 48 | e9 |
| 24 | 63 | 49 | 80 |
| 25 | 70 | 50 | 90 |
| 26 | 75 | 51 | 50 |
| 27 | 78 | 52 | So |
| 28 | 80 | 53 | so |
| 29 | 82 | 54 | 89 |
| 30 | 83 | 55 | 89 |
| 31 | 84 | 56 | 89 |
| 32 | 85 | 57 | 89 |
| 33 | 85 | 58 | 88 |
| 34 | 85 | 59 | 88 |
| 35 | 86 | 60 | 88 |
| 36 | 86 | 61 | 85 |
| 37 | 86 | 62 | 88 |
| 38 | 86 | 63 | 87 |
| 39 | 87 | 64 | 87 |
| 40 | 87 | 65 | 86 |
| 41 | 87 | 66 | 86 |
| 42 | 88 | 67 | 85 |
| 43 | $p$ | 68 | 84 |
| 44 |  | 69 | 83 |

## UNIVERSITY OF CALIFORNIA RETITEMENT SYSTEM

NUMEER OF DEPENOENTS EXPEGTED PER AGTIVE MALE EHMLOYEE AT EACH aGE

| Age | NO. | AGE | NO. |
| :---: | :---: | :---: | :---: |
| 046 | -6.* | -** | **** |
| 20 | 1.0 | 45 | 3.0 |
| 21 | 1.2 | 46 | 2.9 |
| 22 | 1.5 | 47 | 2.8 |
| 23 | 1.6 | 48 | 2.7 |
| 24 | 1.7 | 49 | 2.6 |
| 25 | 1.8 | 50 | 2.5 |
| 26 | 1.9 | 51 | 2.4 |
| 27 | 2.0 | 52 | 2,3 |
| 28 | 2.1 | 53 | 2.2 |
| 29 | 2.2 | 54 | 2.1 |
| 30 | 2.3 | 55 | 2.0 |
| 31 | 2.4 | 56 | 6.9 |
| 32 | 2.5 | 57 | 1.8 |
| 33 | 2.7 | 58 | 1.7 |
| 34 | 2.9 | 59 | 2.6 |
| 35 | 3.0 | 60 | 1.5 |
| 36 | 3.1 | 61 | 1.5 |
| 37 | 3.2 | 62 | 1.4 |
| 38 | 3.3 | 63 | 1.4 |
| 39 | 3.4 | 64 | 1.3 |
| 40 | 3.5 | 65 | 1.3 |
| 41 | 3.4 | 66 | 1.2 |
| 42 | 3.3 | 67 | 1.2 |
| 43 | 3.2 | 63 | 1.1 |
| 44 | 3.1 | 65 | 1.1 |

NUMEER OF OEPENOENTS EXPEGTED PER AGTIVE FEMALE EMPLOYEE AT EAGH AGE

| AGE | $\begin{aligned} & \text { NO. } \end{aligned}$ | $A G E$ | $\begin{aligned} & \text { No } \\ & \text { te } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 20 | 1.0 | 45 | 2.0 |
| 21 | 1.4 | 46 | 1.9 |
| 22 | 1.8 | 47 | 1.8 |
| 23 | 2.0 | 48 | 1.7 |
| 24 | 2.2 | 49 | 1.6 |
| 25 | 2.3 | 50 | 1.5 |
| 25 | 2.5 | 51 | 1.5 |
| 27 | 2.7 | 52 | 1.4 |
| 28 | 2.9 | 53 | 1.4 |
| 29 | 3.0 | 54 | 1.4 |
| 30 | 3.2 | 55 | 1.3 |
| 31 | 3.3 | 56 | 1.3 |
| 32 | 3.5 | 57 | 1.2 |
| 33 | 3.4 | 58 | 3.2 |
| 34 | 3.3 | 59 | 1.1 |
| 35 | 3.1 | 60 | 2.1 |
| 36 | 3.0 | 61 | 1.1 |
| 37 | 2.9 | 62 | 1.1 |
| 38 | 2.8 | 63 | 1.1 |
| 39 | 2.6 | 64 | 1.1 |
| 40 | 2.5 | 65 | 1.1 |
| 4 | 2.4 | 66 | 1.1 |
| 42 | 2.3 | 67 | 3.0 |
| 43 | 2.3 | 58 | 1.0 |
| 44 | 2.1 | 69 | d.0 |

MAXIMUM ANNUAL SOCIAL SECURITY BENEFITS EXPECTED aVEGAGE AWI／CPI／fuTURE INFLATION RATE
$0 \% / 08$
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29558．
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U. G. R. S.

PROBASILITY OF ELECTING A REFUND UPON TERMINATICN


THE Califcrnia Postsecondary Education Commission is a citizen board established in 1974 by the Legislature and Governor to coordinate the efforts of California's colleges and universities and to provide independent, non-partisan policy analysis and recommendations to the Governor and Legislature.

## Members of the Commission

The Comnission consists of 15 members. Nine represent the general public, with three each appointed for six-year terms by the Governor, the Senate Rules Committee, and the Speaker of the Assembly. The other six represant the major segments of postsecondary education in California.

As of 1985, the Commissioners represer. the general public are:

Seth P. Brunt.ar, Sacramento, Chàirperson
C. Thomas Dean, Long Beach

Seymour M. Farber, M.D., San Francisco
Patri-ia Gandara, Sacramento
Raiph J. Kaplay, Los Angelos
Roger C. Pettitt, Los Angeles
Sharon N. Skog, Mountain View
Thomas E. Stang, Los Angeles, Vice Chairperson
Stephen P. Teal3, M.D., Modesto
Representatives of the segments are:
Sheldon W. Andelson, Los Angeles; representing the Regents of the University of California

Claudia H. Hampton, Los Angeles; rapresenting the Trustees of the California State U'niversity

Peter M. Finnegan, San Francisco: representing the Board of Covernors of the California Community $r$ olleges

Jean M. Leunard, \& 7 , ateo; representing Califorria's indeper. ${ }^{\text {n }}$ ! colleges and universities

Darlene M. Laval, Fresuo; repre senting the Counsil for Private Postsecondary Educational institutions

Angie Papadakis, Palos Verdes; representing the California State Board of Education

## Functions of the Commission

The Com:nission is charged by the Legislature and Covernor to "assure the effective utilization of public postsecondary education resources, thereby eliminating waste and unnecessary duplication, and to promote diversity, innovation, and responsiveness to student and societal needs."
To this end, the Commission conducts independent reviews of matters affecting the 2,600 institutions of postsecondary education in California, including Community Colleges, four-year cc:.ieges, universities, and professional and occupational schools.
As an advisory planning and coordinating body, the Commission does not administer or govern any institutions, nor does it approve, authorize, or accredit any of them. Instead, it cooperates with other state agencies and non-governmental groups that perform tl ese functions, while operating as an independent board with its own staff and its own specific dutien of evaluation, coordination, and planning,

## Operation of the Commission

The Commission tolds regular meetings throughout the year at which it debates and takes action on staff studies and takes positions on proposed legislation affectir 3 education beyond the high school in $C \because$ fornia. By law, the Conmission's meetings are open to the public. Requests to address the Commission may be made by vriting the $C$ mmission in advance or by submitting a request prior to the start oi a meeting.
The Commission's day-to-day woric is carried cut by its $s t a f f$ in Sacramento, 'nder the guidance of its director, Patric!: M. Callan, who is appointed by the Commission.

The Commission issues some 30 to 40 reports each year on major issues confronting California postsecondary education. Recent reports are listed on the back cover.

Further information about the Comrission, its meetings, its staff, and its publications nay be obtained from the Commission offices at 1020 Twelfth Screet, Secund Floor, Sacramento, CA 98514; relephone (916) 445-7933.

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    * Reproductions supplied by EDRS are the best that can be made

[^1]:    Source: Letter to Patsıck M. Calian from Calvin C. Moore, Assistant Vice Fresident - Academic Personnel and Planning, University of Califernia, November 11, 1985.

[^2]:    * Ther first year in which data comparable to subsequent reports was published by the Commission.

