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Faculty News

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## Faculty Newsnotes 1982 No. 144

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## FACULTY NEWSNOTES

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Edited by Debbie Gough

December 3, 1982

# 144

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### OFFICE OF THE PROVOST

#### Student/Faculty Ratio Chart Correction:

Attached to these Newsnotes is a corrected Student/Faculty Ratio chart which replaces the one on page 6 of the November 19, 1982 issue of the Newsnotes.

#### Financial Aid Trends:

For the information of members of the academic community, I am attaching the following charts to these Newsnotes: 1) Undergraduate-Graduate Financial Aid Trends from 1975-76 to the present and 2) Law School Financial Aid Trends from 1976-77 to the present.

#### Faculty Research Fund Report:

The Faculty Research Fund started with \$13,000 in 1976-77, increased to \$28,000 for 1977-78, to \$35,000 for 1978-79, to \$39,000 for 1979-80, and to \$44,000 for 1980-81 and 1981-82. For 1982-83, the Fund is \$70,800. Thus, the approximately \$6000 "seed money" grant given to the University about seven years ago by the Graduate Students Association for funding summer research has met the hopes of the students who gave it; their gift lent impetus to the establishment of the Faculty Research Fund.

Last year in the Newsnotes of November 20, 1981, there was a brief summary of the research projects finished during 1980-81. Below are summarized the fifty-one projects (22 in Arts and Sciences, 10 in Law, 7 in Business, 7 in Education, and 5 in Nursing) which were completed in 1981-82.

#### College of Arts and Sciences

Six biologists were engaged in projects. Dr. Dessie Severson, Department Chair, developed botanical drawings for inclusion in her publication, Common Shrubs of the California Coastal Sage Scrub, while Dr. Ross Dingman did field work observing the habitat (Tecolote Creek), environmental parameters, population estimates and reproductive status of X. laevis and Hyla regilla. Dr. Carol Baker studied the use of defective "splotch" mice as a model of gene-drug interaction, while Dr. Robert Corbeil analyzed immunoglobulin levels in serum and nasal secretions of calves with a view to preparing a manuscript for the Journal of Veterinary Research. In addition, Dr. Louis

Burnett did gill perfusion work and will present his findings at a symposium on "Cellular Mechanisms of Ion Regulation in Arthropods" at a meeting of the American Society of Zoologists in Louisville, Kentucky. His research results will also be submitted for publication to the Journal of Comparative Physiology. "The Relationship Between Color and Metabolism in Seabirds" was the subject of research by Dr. Hugh Ellis. The research was conducted in Hawaii and results were excellent and publishable.

Working in the science area of Chemistry, Sister Patricia Shaffer completed the biochemical characterization of the mutant, *areA-300*, and reported her findings at the March meeting of the Federation of American Societies for Experimental Biology. Professor of Physics Gerald Estberg used his research award to develop a desalination apparatus and prepared a proposal to request additional grant support from Research Corporation.

Mathematician Stanley Gurak developed a manuscript entitled "Minimal Polynomials for Gauss Circulants and Cyclotomic Units", which will be published soon in the Pacific Journal of Mathematics.

In the Psychology area, Dr. James Weyant completed two chapters of his forthcoming book, Applied Social Psychology, which will be published by Oxford University Press, while Dr. Daniel Moriarty continued investigation of spontaneous alternation in rats. Anthropologist Alana Cordy-Collins used funds to develop the Archaeological Laboratory Project at Bancroft Ranch in Spring Valley and an exhibit of recently-processed Bancroft materials will take place during Intersession. Dr. Patricia Feulner of the Anthropology/Sociology Department did background research on a book which will deal with the social psychology of death and dying.

Novelist Dennis Clausen produced a manuscript, written in part under the Faculty Research grant, which has been "unofficially accepted by Bantam Books pending certain agreed-upon changes in plot." Another member of the English Department, Sister Betsy Walsh, continued study on the concept of heroism in fifteenth century Scotland.

Professor Iris Engstrand of the History Department examined and photographed drawings of birds, insects, reptiles, fish and plants at the Hunt Institute for Botanical Documentation at Carnegie Mellon University in Pittsburgh. In addition, she has written two articles: "Barcelona's Treasure for Science and History" will be published in The Sciences; and "Spanish Scientists Identify Early Begonias" will appear in the Begonian, the journal for the American Begonia Society. She presented a paper entitled "Scientific Results of Spanish Expeditions to New Spain During the Late Eighteenth Century" at the annual meeting of the Western History Association in Phoenix, Arizona. Another historian, Dr. James Gump, studied the origins of Shaka's Zulu Empire and submitted for publication a completed manuscript entitled "Revitalization Through Expansion: A Reappraisal of the Zulu Mfecane." Dr. Virginia Muller of the Political Science Department has prepared two articles: the first, "Gandhi and Perfectibility", is currently under review by the Indian journal Gandhi Marg; the second, "Gandhi and Orwell: The Future of Non-Violence", will be included in a projected volume, USD Studies in Ethics: 1984, which the Philosophy Department is organizing.

Dr. Gary Macy, Religious Studies Department, is in the process of writing a book entitled The Banquet's Wisdom: A History of the Theology of the Eucharist. Associate Professor of Fine Arts, DeLoss McGraw, presented paintings and lectured at the Municipal Art Gallery in Los Angeles and delivered lectures at the Cranbrook Academy of Art, Bloomfield Hills, Michigan. Cranbrook published two of his etchings, "W.D. Snodgrass You Sentimental Fool" and "W.D. Snodgrass come out of the Storm." Lecturer in Music Robert Austin made progress on the composition of an opera, "Precious Bane."

#### School of Law

Professor Larry Alexander wrote and revised several articles and edited 800 pages of his constitutional law coursebook, while Professor Roy Brooks created teaching materials for a course in Corporate Finance. Working with Dr. Gil Spielberg, Professor Walter Heiser developed and offered a teaching methods seminar for USD's law faculty and he also prepared simulation projects for his first-year Civil Procedure course. A feasibility study for a summer institute in Ireland was conducted by Professor John Kelleher (the Institute will begin at Trinity College, Dublin, in summer, 1983), and Professor John Minan analyzed public utility financing programs to promote solar development. Results of this study will be published in an upcoming issue of the George Washington Law Review. Professor Grant Morris undertook legal reporting activities for the American Bar Association Criminal Justice Mental Health Standards Project and Professor Virginia Nolan prepared teaching materials whose focus was on the application of contemporary tort theories and developments to the problem of toxic wastes. Collaborating with Professor Ed Ursin, Professor Nolan also developed a review article on the torts casebook by Marc Franklin of Stanford University, which will appear in Volume 33 of the Journal of Legal Education. Professors Nolan and Ursin also worked together on an article which discussed the implications of contemporary tort law trends and theories for the doctrine of strict liability for abnormally dangerous activity. Professor Ursin also wrote the lead article in the August edition of The Brief, which is published by the Tort and Insurance Section of the American Bar Association. Professor Seymour Wurfel wrote on the Law of the Sea for USD's Law Review and Professor Ralph Folsom used funds for travel.

#### School of Business Administration

Dr. Joan Anderson collected survey data from 20 textile plants in Tijuana and Mexicali and produced an article entitled "The Response of Labor Effort to Falling Real Wages: The Mexican Peso Devaluation of February, 1982." Dr. David Burt edited, revised and updated the 4th edition of the text, Purchasing and Materials Management, while Professor Philip Hunsaker revised chapters in his OB textbook. Professor Donald Helmich completed the prospectus and first chapter for a book entitled Executive Succession, for which both Greenwood Press and Prentice Hall have issued contracts. Projects engaged in by Dr. Wayne Label included completion of an article (with Dr. Jay Nisberg) on "Stress and the Public Accounting Profession," which will be published by The Practical Accountant, research on two additional articles, and completion of a paper to be submitted to the American

Accounting Association Western Region Meeting in April, 1983. Dr. Greg Merrill identified significant variables and appropriate time lags for a forecasting model, while Dr. Cindy Pavett wrote a soon-to-be-published journal article entitled "Managerial Work: The Influence of Hierarchical Level and Functional Specialty," and an award-winning convention paper on "Managerial Roles, Skills, and Effective Performance."

#### School of Education

Dr. Susan Zgliczynski prepared a proposal to increase computer awareness and literacy in Diocesan Parish and School Personnel, and was engaged in projects to improve learning skills in University of San Diego undergraduates. While Dr. Rosalie Rhoads reviewed and updated the Learning Handicapped Program of the Division of Special Education, Professor Jack Morrison reviewed literature on adolescent insomnia and its effects on learning efficiency. A survey on "Policy Studies: Their Impact on Doctoral Educational Leadership Programs Throughout the United States" was conducted by Dr. Joseph Rost, while Drs. Edward DeRoche and Edward Kujawa examined the issue of Religious Vocations Awareness and continued their efforts to develop materials for the Diocese of San Diego. As a result of their studies, an article will be published in Momentum and presentations made for the elementary and secondary departments at the annual conference of the National Catholic Education Association. Dean DeRoche developed an article on the state of Minimum Competency Testing across the United States and will make a presentation on the subject at the Northeast Conference of Newspapers in Education Coordinators. In addition, Dean DeRoche was awarded a contract by Prentice Hall to write a book on major administrative problems as perceived by elementary and secondary school principals. The major concerns and problems (such as supervision, student discipline, time management, staff development) were identified by surveying 2000 elementary and secondary school principals. A study of developing constitutional standards which affect educational governance and policy in the American public school system was conducted by Dr. William Foster. A paper on the subject was presented at the 1982 meeting of the American Educational Research Association in New York City.

#### School of Nursing

Dr. Ann Maulsby developed, in collaboration with Lauri Miller, R.N., BSN., a curriculum evaluation report entitled "The Influence of the Philip Y. Hahn Curriculum in Professional Nursing Practice of Bachelor of Science in Nursing Alumni 1976 Through 1981 and Master of Science in Nursing Alumni 1979 Through 1981." Dr. Evelyn Anderson planned a seminar on menopause in conjunction with the Department of Reproductive Medicine at University Hospital, while Dr. Janet Blenner conducted research on transcultural influences on nursing practice using data from India, Nepal, Thailand, Hong Kong, and Japan. Assistant Professor Janet Harrison refined her dissertation proposal on the relationship between nurses' perceptions of the characteristics of their jobs and their affective responses to those jobs. Assistant Professor Marilyn Pesto did research on nursing influence in health care policy, health care law and health care finance with a view to determining content for graduate courses in such areas. Professor Harrison's

data will probably also be used for future curriculum planning. Dean Palmer was principal speaker during a national meeting of the Turkish Nurses Association which celebrated National Nurses Week. She presented five illustrated papers on the life and work of Florence Nightingale. Three were given in Istanbul, one at Ankara, and one at the University of London. In addition to the presentations, Dr. Palmer provided consultation on university education for the registered nurse.

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#### FINE ARTS DEPARTMENT

##### Christmas Concert:

The University of San Diego will present its annual Christmas Choral Festival on December 10 and 11 at 8:00 p. m. in Founders Chapel. The concert, "A Festival of Lessons and Carols," is presented free of charge. Featured will be Christmas choral music by David Willcocks, Ross Hastings, and William Walton. The cantatas "Come Ye Shepherds to the Light" by Michael Haydn and "In Dulci Jubilo" by Dietrich Buxtehude will be sung by the USD Vocal Ensemble. The USD Choir and Vocal Ensemble are directed by Father Nicolas Reveles.

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#### OFFICE OF STUDENT AFFAIRS

Don't forget the Second Annual Holiday Crafts Fair, Wednesday and Thursday, December 8 and 9, 1982, from 9:00 a. m. to 4:00 p. m. in the front of Camino and Founders Halls!

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#### OFFICE OF UNIVERSITY RELATIONS

The University's United Way Campaign concluded on November 24 with a remarkable showing of generosity and thanksgiving by USD employees. The 1982 goal of \$14,286 (double last year's amount) was easily attained and surpassed - \$20,000 was raised for San Diego's 84 health and human care agencies.

Chairman Bill Pickett and Jim Sotiros are to be commended for their commitment and hard work. Their efforts encouraged over 120 new donors to the program. Many others are due thanks, including Gil Brown for his efforts over many years in developing the United Way giving program at USD.

The November 24th campaign conclusion included the drawing for the television. Pat Helm of the Mail Center is the happy winner. Congratulations to Pat, and the entire USD community on a very successful United Way drive.

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Dr. Irene Palmer, School of Nursing, gave a presentation on November 23, 1982 to Pacific Coast College Health Association at the Hotel Hyatt Islandia. Her talk was "Miss Nightingale's Model for Nursing Practice."

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Dr. Patricia Roth represented the School of Nursing at the National League for Nursing Council of Baccalaureate and Higher Degree Programs Annual Meeting in Cincinnati.

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Dr. John Marambio, Chair of the Foreign Languages and Literatures Department, attended a luncheon and award presentation of the Mexican and American Foundation of San Diego on October 6. On October 21-23, Dr. Marambio attended a Symposium on Chilean Literature held at the University of California, Irvine.

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Drs. William Freitas and Robert Bacalski attended the conference of the Pacific Coast Council of Latin American Studies on October 14-16. The three-day affair was held in San Diego and Tijuana.

\*\*\*\*\*

Uroradiology: An Integrated Approach (2 vols.), which was edited and largely written (from dictation) by Dr. Barton Thurber, has just been published by Churchill-Livingstone. It is currently being translated into Japanese and Spanish, and will be distributed throughout the world.

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Dr. Joseph Pusateri's book, A History of American Business, has been accepted for publication by Harlan Davidson Publishers, Inc. It will appear in both hardcover and paperback forms in 1983.

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Drs. Jack Bradshaw, Louis Burnett, and Hugh Ellis of the Biology Department were chosen to serve on the Research and Education Subcommittee of the Tijuana River Estuarine Sanctuary. At a meeting of the subcommittee on October 20, Dr. Ellis was placed on a three-person committee charged with determining the guidelines for bringing educational groups (including classes) to or doing research in the estuary. The Tijuana River Estuarine Sanctuary is a vital resource in San Diego County. Currently, there are only ten estuarine sanctuaries in the country.

Fall, 1982

SCHOOL / COLLEGE	STUDENTS									FACULTY																	
	Courses offered			Total class enrollment			Avg. students per course			Student units generated			Instructional FTE by level			Instr'l FTE	FTE fac. in sal. b.	Avg. fac. load	Stu. un. per inst'l FTE	Instructional s/f ratio by level			Instr'l s/f ratio	s/f ratio including sabbatical			
	A			B			B+A C			D			E			F	G	H	I	J	K			L	M	N	
	LD	UD	Grad	LD	UD	Grad	LD	UD	Grad	LD	UD	Grad	LD	UD	Grad						LD	UD	Grad				
Arts & Sciences	306.2	149.9	8.9	7971	3142	118	26.0	21.0	13.3	23781	9231	350	76.56	37.34	1.98	115.88	118.96	122.96		288	20.7/1	16.5/1	11.8/0	19.2/1	18.7/1	18.1/1	
Anth/Soc.	17	12		437	241		25.7	20.1		1311	726		3.75	3.5		7.25	7.5	7.5	12	281	23.3/1	13.8/1		18.7/1	18.1/1	18.1/1	
Biology *	13	13		221	166		17.0	12.8		772	528		4.39	3.64		8.03	8.36	8.36	1.8	162	11.7/1	9.7/1		10.8/1	10.4/1	10.4/1	
Comp. Sci.	11	2		210	36		19.0	18.0		630	108		2.67	.58		3.25	3.25	3.25		227	15.7/1	12.4/1		15.1/1	15.1/1	15.1/1	
English	39	12	1	922	319	23	23.6	26.6	23.0	2749	956	69	9.92	3.00	.25	13.17	13.42	15.42	12	287	18.5/1	21.2/1	18.4/1	19.1/1	18.7/1	16.3/1	
Environ. St.	5			92	1		18.4			276	3		1.25			1.25	1.25	1.25		223	14.7/1			14.7/1	14.7/1	14.7/1	
Fine Arts	27.2	19.8		627	326		23.1	16.5		1672	860		5.68	3.9		9.58	9.83	10.83	12	264	19.6/1	14.7/1		17.6/1	17.2/1	15.6/1	
For. Lang.	34	8.6	.4	738	105	4	21.7	12.2		2214	315	12	8.25	2.15	.1	10.5	10.75	10.75	12	242	17.9/1	9.8/1		16.1/1	15.8/1	15.8/1	
History	14	13.5	2.5	577	304	29	41.2	22.5	11.6	1731	912	87	3.5	3.38	.38	7.26	7.51	7.51	12	375	33.0/1	18.0/1	15.3/1	25.1/1	24.2/1	24.2/1	
Math	48	2		1336	24		27.8	12.0		4116	72		12.4	.5		12.9	13.15	13.15	12	325	22.4/1	9.6/1		21.6/1	21.2/1	21.2/1	
Philosophy	27	17		813	423		30.1	24.9		2439	1273		6.75	4.25		1.0	11.25	12.25	12	337	24.0/1	20.0/1		22.5/1	22.0/1	20.2/1	
Phys. Sci. *	21	12		469	172		22.3	14.3		1284	418		5.5	3.02		8.52	8.77	8.77	11.4	200	15.6/1	9.2/1		13.3/1	12.9/1	12.9/1	
Pol. Sci.	11	9	2	332	270	26	30.2	30.0	13.0	996	807	74	2.75	2.25	.5	5.5	5.75	5.75	12	341	24.1/1	23.9/1	9.9/1	22.8/1	21.8/1	21.8/1	
Psychology	15	11		413	283		27.5	25.7		1239	831		3.75	2.67		6.42	6.67	6.67	12	322	22.0/1	20.7/1		21.5/1	20.7/1	20.7/1	
Rel. Studies	24	18	3	784	472	36	32.7	26.2	12.0	2352	1422	108	6.0	4.5	.75	11.25	11.5	11.5	12	346	26.1/1	21.1/1	9.6/1	23.0/1	22.5/1	22.5/1	
Business Adm.	34	68	30	1254	2057	719	36.8	30.3	24.0	3762	6169	2157	8.97	19.64	8.75	37.36	38.77	38.77	12	324	28.0/1	20.9/1	16.4/1	21.6/1	20.8/1	20.8/1	
Education	2	8.73	28.27	61	268	424	30.5	30.7	15.0	122	804	1556	.33	1.98	8.91	11.22	11.72	13.72	11.8	221	24.6/1	27.0/1	11.6/1	14.7/1	14.1/1	12.1/1	
External Deg.			2			27			13.5			81			.58	.58	.58	.58		140			9.3/1	9.3/1	9.3/1	9.3/1	
Law			97			4668			48.1			13675			45.63	45.63	47.46	51.46		300			20.0/1	20.0/1	19.2/1	17.7/1	
Nursing		17	18		209	203		12.3	11.3			679	608		4.13	6.08	10.21	10.21	11.21	11.8	140		11.0/1	6.8/1	8.4/1	8.4/1	7.7/1
Paralegal Stu.					14			2.3				28															

\*Most labs counted as separate classes.

National Opportunity Grant  
 California State Grants - formerly called California State Scholarships  
 RDSE - National Direct Student Loan  
 RSL - Guaranteed Student Loan  
 CAS - California Work Study



UNIVERSITY OF SAN DIEGO - STUDENT AID GRANT TRENDS - FEDERAL & STATE FUNDS (NON-LAW)

<u>YEAR</u>	<u>BEOG</u>		<u>SEOG</u>		<u>CAL STATE GRANTS</u>		<u>TOTAL DOLLARS</u>
	<u>STUDENTS</u>	<u>\$ AMT</u>	<u>\$ AMT</u>	<u>STUDENTS</u>	<u>\$ AMTS</u>		
1975-76	193	174,668	79,250	326	642,451	896,369	
1978-79	380	392,404	141,800	506	1,135,334	1,669,538	
1979-80	682	749,929	258,240	532	1,265,849	2,274,018	
1980-81	688	763,603	247,863	541	1,500,000	2,556,286	
1981-82	648	687,547	294,082	507	1,503,643	2,485,272	
1982-83 (proj)	538	550,000	299,020	540	1,570,000	2,419,020	

UNIVERSITY OF SAN DIEGO - LOAN & WORK STUDY TRENDS - FEDERAL FUNDS (NON-LAW)

<u>YEAR</u>	<u>NDSL</u>		<u>GSL</u>		<u>CWS</u>		<u>TOTAL DOLLARS</u>
	<u>STUDENTS</u>	<u>\$ AMT</u>	<u>STUDENTS</u>	<u>\$ AMT</u>	<u>STUDENTS</u>	<u>\$ AMT</u>	
1975-76	118	73,060	256	294,900	230	79,155	447,115
1978-79	145	116,669	388	571,739	367	209,783	898,191
1979-80	196	173,821	737	1,361,505	555	393,260	1,928,586
1980-81	334	436,282	1,210	2,833,000	578	330,979	3,600,261
1981-82	304	295,938	1,538	4,138,806	470	351,265	4,786,009
1982-83 (proj)	280	270,000	1,307	3,517,985	450	348,860	4,136,845

BEOG - Basic Educational Opportunity Grant - also called Pell Grants  
 SEOG - Supplemental Educational Opportunity Grant  
 California State Grants - formerly called California State Scholarships  
 NDSL - National Direct Student Loan  
 GSL - Guaranteed Student Loan  
 CWS - College Work Study

UNIVERSITY OF SAN DIEGO - SCHOLARSHIPS, GRANTS, WORK OPPORTUNITY (NON-LAW)

<u>YEAR</u>	<u>SCHOLARSHIP</u>	<u>GRANTS</u>	<u>FINANCIAL AID EMPLOYMENT</u>		<u>JLD (1)</u>		<u>TOTAL</u>
	<u>\$ AMT</u>	<u>\$ AMT</u>	<u>\$ AMT</u>	<u># STUDENTS</u>	<u>\$ AMT</u>		
1975-76	175,000	229,315	107,714				512,029
1978-79	223,990	431,666	204,040				859,696
1979-80	299,156	583,063	274,366	326	181,977		1,156,585
1980-81	376,049	797,785	298,700	426	210,243		1,682,777
1981-82	481,000	1,112,000	315,230	537	563,849 (2)		2,472,079
1982-83 (proj)	760,000	1,302,000	316,232	620	707,000 (3)		3,085,232

USD FINANCIAL AID TRENDS (NON-LAW)

<u>YEAR</u>	<u>ENROLLMENT</u>	<u>% ON AID</u>	<u>TOTAL AID \$</u>	<u>% FED &amp; STATE \$</u>	<u>% USD \$</u>	<u>% JLD \$</u>	<u>% GRANT</u>	<u>% SELF-HELP</u>
1975-76	2,134	52%	1,855,513	73%	27%		71%	29%
1978-79	2,754	58%	4,031,905	79%	21%		73%	27%
1979-80	3,084	60%	5,359,189	79%	21%		57%	43%
1980-81	3,331	62%	7,636,030	81%	19%		48%	52%
1981-82	3,665	65%	9,743,360	75%	19%	6%	42%	58% (4)
1982-83 (proj)	3,849	65%	9,641,097	68%	25%	7%	46%	54%

<u>YEAR</u>	<u>TOTAL FEES</u>	<u>TOTAL COST OF EDUCATION</u>
1975-76	2,350	4,400
1978-79	3,300	6,185
1979-80	3,650	6,790
1980-81	4,100	7,745
1981-82	4,540	8,455
1982-83	5,160	9,655

- (1) OFF-CAMPUS EMPLOYMENT EARNINGS REPORTED BY STUDENTS TO FAO (JLD - JOB LOCATION & DEVELOPMENT)
- (2) INCLUDES \$266,235 STUDENT EMPLOYMENT IN DINING HALL
- (3) INCLUDES \$340,000 STUDENT EMPLOYMENT IN DINING HALL
- (4) % INCREASE IN 1981-82 IN SELF-HELP AID OVER 1980-81 ATTRIBUTABLE TO AVAILABILITY OF "NO-NEED" FEDERAL LOANS

UNIVERSITY OF SAN DIEGO

LAW SCHOOL FINANCIAL AID TRENDS

	<u>1976-77</u>	<u>1977-78</u>	<u>1978-79</u>	<u>1979-80</u>	<u>1980-81</u>	<u>Estimate 1981-82</u>	<u>Projected 1982-83</u>
1. California State Graduate Grants	5,200	8,500	16,000	16,000	18,076	14,940	16,500
2. National Direct Student Loan (NDSL)	143,837	240,550	167,275	204,450	225,450	223,000	310,000
3. College Work Study Program	93,468	101,440	88,501	99,639	174,367	120,014	94,600
4. Guaranteed Student Loans (GSL)	923,325	1,468,683	1,878,381	2,609,497	3,544,703	4,050,000	4,000,000
5. USD Scholarships and Grants	165,000	190,000	237,000	261,500	292,541	327,882	409,117
6. USD Loans	-	40,000	40,000	40,400	35,300	42,800	110,000
7. USD Work Study Program	-	<u>43,640</u>	<u>51,225</u>	<u>17,787</u>	<u>10,000</u>	<u>11,850</u>	<u>27,620</u>
Total:	<u>1,330,830</u>	<u>2,092,813</u>	<u>2,285,472</u>	<u>2,553,773</u>	<u>4,300,437</u>	<u>4,790,486</u>	<u>4,967,837</u>