

1993/94 STATISTICAL SUMMARY

	1993-94
1. Academic personnel engaged in research	
a. Faculty	12
b. Professional Researchers	15
c. Specialists	1
d. Postdoctorals	0
e. Postgraduate Researchers	1
TOTAL	29
2. Graduate Students:	
a. Employed on contracts and grants	15
b. Employed on other sources of funds	0
c. Participating through assistantships	0
d. Participating through traineeships	0
e. Other (specify)	0
TOTAL	15
3. Undergraduate Students	
a. Employed on contracts and grants	27
b. Employed on other funds	2
c. number of volunteers, & unpaid interns	0
TOTAL	29
d. Average number of hours/week of student assistance	128
4. Participation from outside UCSB	
a. Academics	10
b. Postdoctorals	0
c. Postgraduate Researchers	0
d. Other (Graduate Student)	1
5. Staff (Univ. & Non-Univ. Funds)	
a. Technical	6
b. Administrative/Clerical	3
6. Publications	28
7. Seminars, symposia, workshops sponsored	7
8. Proposals submitted	43
9. Number of different awarding agencies dealt with*	12
10. Number of extramural awards administered	39
11. Dollar value of extramural awards administered during year**	\$4,368,552
12. Number of Principal Investigators***	28
13. Dollar value of other project awards ****	\$3,593
14. Number of other projects administered	4
15. Total base budget for the year (as of 6/30/94)	\$125,130
16. Dollar value of intramural support	\$53,062
17. Total assigned square footage in ORU	7,771

* Count each agency only once (include agencies to which proposals have been submitted).

** If the award was open during the year, even if for only one month, please include in total.

*** Number of PIs, Co-PIs and Proposed PIs (count each person only once.)

**** Other projects- such as donations, presidential awards, fellowships;
anything that isn't core budget, extramural, or intramural.

New Awards- Fiscal Year 1993-94 Print Date: 7/12/94

Agency	Agency Awd No	PI-1 Last Name	Proposal Title	Begin Date	End Date	Amt Awarded	IDC Awarded	Dt Awd Signed	Type
Nuclear Regulatory Commission	NRC-04-92-050	Archuleta	Garner Valley Downhole Seismographic Arrays: Phase II, Operations and Analysis	11/25/92	11/24/94	43,000	13,345	10/11/93	Increment
National Science Foundation	OCE9302058	Spera	Collaborative Research: Convective Dynamics Beneath Crustal Oceanic Spreading Centers	07/15/93	06/30/94	31,520	8,973	08/25/93	New
National Science Foundation	EAR-9303913	Sylvester	Aseismic Creep and Crustal Deformation of Large Normal Faults: Precise Leveling Across Teton Fault, Wyoming	08/17/93	08/31/94	39,970	8,248	08/17/93	New
National Science Foundation	EAR-9303906	Spera	Magma Transport Phenomena: Microscopic to Macroscopic	07/01/93	06/30/95	60,204	18,664	08/05/93	Renewal
National Science Foundation	EAR93-04130	Busby	Facies Modeling and Process Volcanological Studies in an Oceanic Arc Terrane	08/15/93	07/31/94	60,000	11,434	08/25/93	New
U.S. Nuclear Regulatory Commission	NRC0493053	Archuleta	Seismic Transfer Functions and the Response of Groundwater and the Rock Mass to Seismicity at Garner Valley,	11/30/93	08/29/94	332,956	43,591	12/16/93	New
Department of Energy	DE-FG03-91ER-14211	Spera	Physical Modelling of Sedimentary Basins, Magma Mechanics and Molecular Dynamics of Aqueous Solution	09/15/93	09/14/94	43,090	11,949	08/11/93	Continuation

New Awards- Fiscal Year 1993-94 Print Date: 7/12/94

Agency	Agency Awd No	PI-1 Last Name	Proposal Title	Begin Date	End Date	Amt Awarded	IDC Awarded	DI Awd Signed	Type
U.S. Geological Survey	1434-93-G-2294	Nicholson	Analysis of the 1992 M6.1 Joshua Tree Earthquake Sequence and its Relation to the Southern San Andreas Fault, California	04/14/94	04/13/95	66,640	19,758	04/19/94	Renewal
U.S. Geological Survey	1434-94-G-2461	Archuleta	New Methods of Empirical Spectral Prediction	02/07/94	02/06/95	46,942	14,568	03/07/94	New
U.S. Geological Survey	1434-94-G-2410	Archuleta	L.A. Basin Microzonation	12/01/93	11/30/94	65,407	19,554	01/03/94	New
Institute for Protection and Nuclear Safety	OSSN93-993/MG-VB	Archuleta	Seismic Transfer Functions and the Response of Groundwater and the Rock Mass to Seismicity at Garner Valley--Phase II	10/21/93	11/25/95	378,995	52,061	11/04/93	New
Sandia National Laboratory	AG2406	Cullen	Vadose Zone Monitoring Research Assistance	07/15/93	03/31/94	83,000	25,759	10/11/93	New
Electric Power Research Inst.	RP3014-03	Archuleta	Supplementary Instrumentation for Garner Valley Seismic Array	08/01/90	08/01/94	4,558	1,415	11/05/93	Supplement
National Science Foundation	EAR-9303913	Sylvester	Asismic Creep & Crustal Deformation of Large Normal Faults: Precise Leveling Across Teton Fault, Wyoming	09/01/93	02/29/95	12,000	2,476	5/5/94	Supplement

New Awards- Fiscal Year 1993-94 Print Date: 7/12/94

Agency	Agency Awd No	PI-1 Last Name	Proposal Title	Begin Date	End Date	Amt Awarded	IDC Awarded	DI Awd Signed	Type
National Science Foundation	EAR-9405560	Patrick	Thermomechanical Development of the Internal Zone & Linkage with the Fold and Thrust Belt, Central Brooks Range.	07/01/94	06/30/97	195,463	56,461	06/23/94	New
US Geological Survey	1434-93-G-2280	Sylvester	Nearfield Geodetic Investigation of Strains Across Faults	02/01/94	01/31/95	73,500	15,157	02/28/94	Continuation
Texas A&M University	USSSP008	Cisowski	Texas A&M Ocean Drilling Program (TAMRF-ODP)	03/01/94	06/30/94	19,688	4,063	04/18/94	New
Nuclear Regulatory Commission	NRC-04-92-050	Archuleta	Gamer Valley Seismographic Array: Phase II, Operations	11/25/93	11/24/94	116,577	36,487	02/28/94	Increment
National Science Foundation	EAR-9219721	Archuleta	How Do Earthquakes Generate Extreme Ground Acceleration	05/01/93	04/30/95	51,125	14,620	02/25/94	Continuation
National Science Foundation	EAR-9304130	Busby	Facies Modeling & Process Volcanological Studies in Oceanic Arc Terrane	07/01/93	07/31/95	60,000	10,992	04/30/94	Increment
Nuclear Regulatory Commission	NRC-04-92-050	Archuleta	Gamer Valley Downhole Seismographic Array: Phase II, Operations and Analysis	11/25/93	11/24/94	38,912	4,255	05/24/94	Supplement

New Awards- Fiscal Year 1993-94 Print Date: 7/12/94

Agency	Agency Awd No	PI-1 Last Name	Proposal Title	Begin Date	End Date	Amnt Awarded	IDC Awarded	DI Awd Signed	Type
National Science Foundation	OCE-9302058	Spera	Collaborative Research: Convective Dynamics Beneath Crustal Oceanic Spreading	07/15/93	06/30/95	30,414	9,511	06/30/94	
Total New Awards						\$1,853,961	IDC Total \$403,361		

Print Date: 12/8/94

Proposals Submitted Fiscal Year 1993-94

Date Submitted	OR Record No.	Pt-1 Last Name	Proposal Title	Agency	Amt Requested	Begin Date	End Date	IDC Requested
10/05/93	8940218	Archuleta	Garner Valley Downhole Seismographic Arrays: Phase II, Operations and Analysis	Nuclear Regulatory Commission	43000	11/25/92	11/24/94	13345
08/25/93	08940117	Blythe	Detailed Cooling History of the North Slope, Alaska, Foreland Basin From Fission Track and Vitrinite Reflectance	National Science Foundation	52134	05/01/94	04/30/95	10758
11/05/93	08940280	Nicholson	Collabo. Res.: Extreme Continental Extension & Crustal	National Science Foundation	316828	09/01/94	08/31/96	88198
11/12/93	08940327	Luyendyk	40Ar/39Ar Geochronology of Neogene Volcanic Rocks	American Chemical Society	75000	07/01/94	08/31/97	1500
10/05/93	08940215	Archuleta	Supplementary Instrumentation for Garner Valley Seismic Array	Electric Power Research Inst.	4558	08/01/90	08/01/94	1415
11/16/93	08940349	Sylvester	Aseismic Creep & Crustal Deformation of Large Normal Faults: Precise Leveling Across Teton Fault, Wyoming	National Science Foundation	19997	09/01/93	02/28/95	4126
11/16/93	08940350	Spera	Dynamics of Thermohaline Convection in the Earth's Crust	American Chemical Society	73701	09/01/94	08/31/97	1500
11/24/93	08940366	Trial	Multicomponent Diffusion in Silicate Melts: Laboratory Experiments	National Science Foundation	119920	07/01/94	06/30/96	34113
11/29/93	08940370	Nicholson	Microplate Capture, Large-Scale Rotations & Initiation of the San Andreas	National Science Foundation	94039	07/15/94	06/30/95	28626

Print Date: 12/8/94

Proposals Submitted Fiscal Year 1993-94

Date Submitted	OR Record No.	PI-1 Last Name	Proposal Title	Agency	Amt Requested	Begin Date	End Date	IDC Requested
11/24/93	08940368	Lindley	Source Spectra, Source Parameters Scaling Relationships of the 1992 So Ca Earthquake Sequence	National Science Foundation	112792	06/01/94	05/31/96	35004
11/29/93	08940367	Lindley	Collaborative Research: Inversion for Three-Dimensional Q Using Aftershocks of the 1992 So CA Earthquake Sequence	National Science Foundation	38467	06/01/94	05/31/95	26529
11/30/93	08940369	Patrick	Thermomechanical Development of the Internal Zone & Linkage with the Fold and Thrust Belt, Central Brooks Range, Alaska	National Science Foundation	195463	07/01/94	06/30/97	55840
12/13/93	08940384	Cullen	Research & Development Assistance for Revision of the CA State Leaking Underground Fuel Tank (LUFT) Manual	UC Lawrence Livermore Natl Lab	49997	7/15/94	06/30/95	4545
01/26/94	08940555	Lindley	Analysis of Source Spectra, Attenuation, and Site Effects using Broadband Digital Recordings from the United States Seismograph Network	Nuclear Regulatory Commission	209295	08/05/94	07/31/97	62888
02/28/94	08940644	Sylvester	Nearfield Geodetic Investigation of Strains Across Faults	US Geological Survey	73500	02/01/94	01/31/95	15167
01/28/94	08940618	Cisowski	Texan A&M Ocean Drilling Program (TAMRF-ODP)	Texas A&M University	19688	03/01/94	06/30/94	4063
02/28/94	08940649	Archuleta	Gamer Valley Seismographic Array: Phase II, Operations	Nuclear Regulatory Commission	116577	11/25/93	11/24/94	36487
02/01/94	08940646	Archuleta	How Do Earthquakes Generate Extreme Ground Acceleration	National Science Foundation	51125	05/01/93	04/30/95	14620

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Date Submitted	OR Record No.	PI-1 Last Name	Proposal Title	Agency	Amt Requested	Begin Date	End Date	IDC Requested
04/04/94	08940923	Nicholson	Collaborative Research: Extreme Continental Extension & Tectonic Evolution	National Science Foundation	518543	01/01/95	12/31/97	117154
04/08/94	08940908	Spera	Physical & Experimental Studies of Magma Rheology, Sedimentary Basin	Department of Energy	234009	09/15/94	09/14/97	64685
04/12/94	08940950	Lindley	Tsunami Hazard from Earthquake & Landslide Sources	Department of Energy	40413	01/01/95	12/31/95	12638
04/30/94	08940970	Busby	Facies Modeling & Process Volcanological Studies in Oceanic Arc Terrane	National Science Foundation	60000	07/01/93	07/31/95	10992
04/07/94	08940918	Sylvester	Nearfield Geodetic Investigations of Strain Across Faults in Southern California	Department of Interior	78809	02/01/95	01/31/96	16262
04/14/94	08940965	Archuleta	LA Basin Microzonation-Renewal	Department of Interior	77797	12/01/94	11/30/95	24328
04/14/94	08940964	Nicholson	Fault Geometry & Seismic Potential of Active Offshore Structures in the Eastern Santa Barbara Channel	Department of Interior	69495	12/01/94	11/30/95	21732
04/14/94	08940963	Pinter	Latest Pleistocene to Holocene Rupture History of the Santa Cruz Island Fault, California	Department of Interior	47537	01/01/95	12/31/95	9809
04/13/94	08940961	Keller	Earthquake Hazard of the Santa Barbara Fold Belt, California	Department of Interior	55410	01/01/95	12/31/95	15811

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Date Submitted	OR Record No.	PI Last Name	Proposal Title	Agency	Amt Requested	Begin Date	End Date	IDC Requested
04/14/94	08940962	Luyendyk	Offsets & Slip History on Faults in the Offshore Ventura Basin (Santa Barbara Channel) Estimated by the Unfolding of Bedding Surfaces	Department of Interior	68800	01/01/95	12/31/95	21515
05/04/94	08941060	Nicholson	Integrated Study of Seismic and Well Data in the Ventura Basin and San Fernando Valley for Active Subsurface Faults	National Science Foundation	107146	07/15/94	06/30/95	47867
5/5/94	08941049	Archuleta	The Tight Array Deployment During the 1994 Northridge Aftershock Sequence: Data Analysis	National Science Foundation	46545	09/01/94	08/31/95	14555
5/5/94	08941056	Archuleta	Source Inversion Using Aftershocks as Empirical Green's Functions	National Science Foundation	64896	08/01/94	07/31/95	18827
05/05/94	08941057	Archuleta	Empirical Time Series Prediction for the Northridge Earthquake Sequence	National Science Foundation	53798	08/01/94	07/31/95	15845
05/11/94	08941074	Archuleta	UCSB Participation in SCEC	University of Southern California	357000	02/01/94	01/31/95	79377
05/11/94	08941073	Archuleta	UCSB SCEC Response: 1994 Northridge Earthquake	University of Southern California	40000	01/17/94	01/31/95	12069
05/26/94	08941116	Spera	Large-Scale Numerical Simulations of Crustal Anatexis & Magma Convective Dynamics	National Science Foundation	97702	01/01/95	12/31/96	23616
05/27/94	08941119	Lees	Geometry & Timing of Extension in the Gneiss Domes of Southern Tibet, China	National Science Foundation	279120	04/01/95	03/31/98	79780

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Proposals Submitted Fiscal Year 1993-94

Date Submitted	OR Record No.	PI-1 Last Name	Proposal Title	Agency	Amt Requested	Begin Date	End Date	IDC Requested	
05/26/94	08941117	Luyendyk	Landscape Evolution of the Ford Ranges, Western Marie Byrd Land and the Structure and the Evolution of the Cenozoic West Antarctic Rift System	National Science Foundation	285925	07/01/96	06/30/99	54399	
05/27/94	08941126	Imperato	Strain Across Partitioning along Carrizo Plain Segment of San Andreas Fault	National Science Foundation	48406	01/01/95	12/31/95	15137	
05/31/94	08941125	Nicholson	Collaborative Research: Offshore Seismic Hazard & Tectonic Evolution of the Inner CA Continental Borderland	National Science Foundation	84285	01/01/95	12/31/95	25732	
05/31/94	08941142	Bohrosn	Processes & Rates of Compositional Zonation in Crustal Magma Bodies: Constraints from high-precision U-Th disequilibria	National Science Foundation	87130	01/01/95	12/31/96	27247	
05/31/94	08941143	Trial	Laboratory & Numerical Experiments of Multicomponent Diffusion & Silicate Melts & Glasses	National Science Foundation	114072	01/01/95	12/31/96	33483	
05/05/94	08941097	Archuleta	Gamer Valley Downhole Seismographic Array: Phase II, Operations and Analysis	Nuclear Regulatory Commission	38912	11/25/93	11/24/95	4225	
06/28/94	08941265	Spera	Collaborative Research: Convective Dynamics Beneath Crustal Oceanic Spreading	National Science Foundation	30414	07/15/93	06/30/95	8549	
Total Amount Requested					\$4,652,245			Total IDC Requested	\$1,214,358